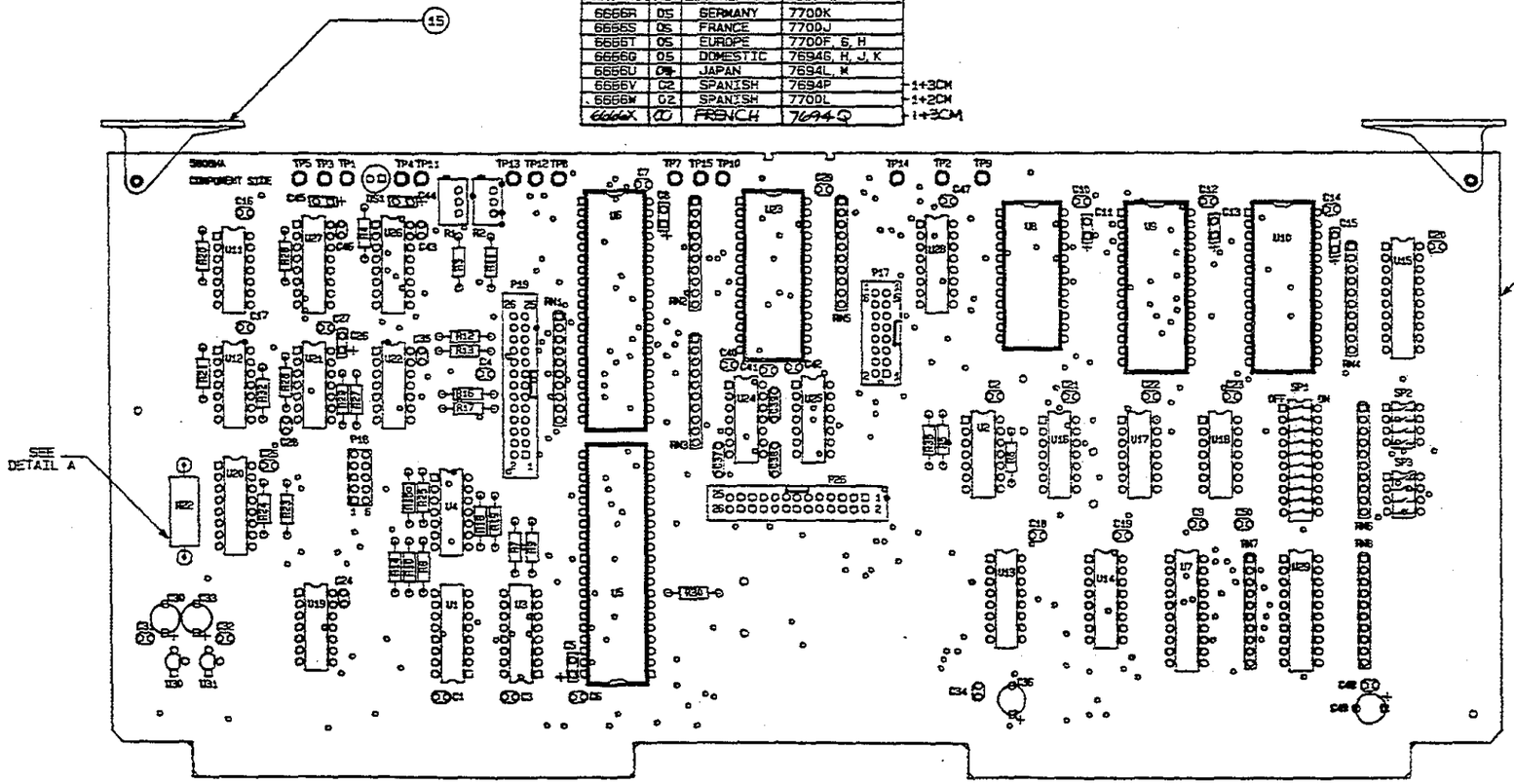
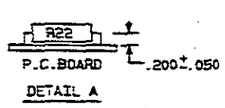
REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPL
*	5875	SEE ECN	SAS	7-20-87		
∞	5902	'X' NEW	YS	8/27	38	PE

PART NO	REV	DESCRIPTION	DESCRIPTION	
6666R	05	GERMANY	7700K	
6666S	05	FRANCE	7700J	
6666T	05	EUROPE	7700F, S, H	
6666U	05	DOMESTIC	7694S, H, J, K	
6666U	06	JAPAN	7694L, M	
6666V	02	SPANISH	7694P	1+3CM
6666W	02	SPANISH	7700L	1+2CM
6666X	∞	FRENCH	7694S	1+3CM

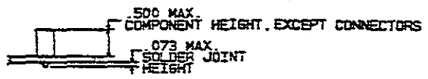


KEY TABLE	
CONN	POSITION
P17	NONE
P18	PIN 1
P19	NONE
P26	NONE



DETAIL A

NOTES:
1-OBSERVE POLARITY AND ORIENTATION MARKINGS OF ALL COMPONENTS.
2-INSERT COMPONENTS FULLY INTO BOARD.
3-FOR SCHEMATIC DRAWING SEE 6666 TAB
4-STORE IN ANTISTATIC BAG P/N 410080 - NOT SHOWN.
5-FOR PARTS LIST SEE P/L 6666Q, R, S, T, U, V, W



DETAIL B

PROPRIETARY & CONFIDENTIAL
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DO NOT SCALE - WORK TO DIMENSIONS SHOWN
REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ± #
2 PLACE DECIMALS ± #
3 PLACE DECIMALS ± #
ANGLES ± #

SEE TABLE	115
NEXT ASSY	USED ON
APPLICATION	

DRAWN	JCH	DATE 12-10-85
CHECKED		DATE 12/20/85
ENGINEER	SC	DATE 12-11-85
APPROVED	SC	DATE 12-11-85

MATERIAL

FINISH

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE
115 RECORDER BED ASSY
DUAL CARDIOTACH

SIZE	DRAWING NUMBER	REV
C	6666TAB	*

SCALE 1.25 : 1 SHEET 1 OF 3

COROMETRICS MEDICAL SYSTEMS INC.	TITLE 115 RECORDER BOARD ASSY DUAL CARDIOTACH U/RS232 FRENCH: 1&3	PL 6666X	REV 01

ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
63		514018	SP1	SWITCH-SLIDE, 10 POS DIP	1
64					
65					
66		471301	R22	RES 180 OHM 1W 5%	1
67					
68	A	6672F	U9	PREGRM IC FRN(RS232) 1&3CM	1
69	A	6673F	U10	PREGRM IC FRN(RS232) 1&3CM	1
70					
71					
72					
73					
74	C	5808JA	----------	P.C. BOARD	1
75					
76					

REVISION

DRAWN 3/24/87 VSadak	CHECKED BS 8-24-87	APPROVED 8-24-87	NEXT ASSY. SEE DWG	MODEL 115	PG 4 OF 4

COROMETRICS MEDICAL SYSTEMS INC.	TITLE 115 RECORDER BOARD ASSY DUAL CARDIOTACH W/RS232 FRENCH 1&3 CM.	PL 6666X	REV 01

ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
21		471113	R14,19,23	RES 1K 1/4W 5%	3
22		471115	R12	RES 330 OHM 1/4W 5%	1
23		471120	R24	RES 100 OHM 1/4W 5%	1
24		472079	R17	RES 3.32K 1/8W 1%	1
25		472006	R16	RES 1K 1/8W 1%	1
26		471126	R7,20,28,30,35	RES 4.7K 1/4W 5%	5
27		471174	R15	RES 2.4M 1/4W 5%	1
28		471140	R4	RES 220 OHM 1/4W 5%	1
29		471163	R3,11	RES 200 OHM 1/4W 5%	2
30		471165	R6	RES 820 OHM 1/4W 5%	1
31		471173	R8	RES 3.3K 1/4W 5%	1
32		471182	R13	RES 150 OHM 1/4W 5%	1
33		474005	RN2,3,6,8	RES NTWK, 4.7K, 9 RES SIP	4
34		474007	RN4,5,7	RES NTWK, 10K, 9 RES SIP	3
35		474012	RN1	RES NTWK, 1.8K, 9 RES SIP	1
36		475022	R1,2	POT, 50K, 25T	2
37		486470	U22	IC, 74LS04	1
38		486472	U2	IC, 74LS10	1
39		486477	U16	IC, 74LS90	1
40		486484	U26	IC, 74LS165	1
41		486530	U19	IC, 74LS32	1

REVISION

DRAWN 8/24/87 VSidoli	CHECKED B.S. 8-24-87	APPROVED S-8-24-87	NEXT ASSY. SEE DWG	MODEL 115	PG. 2 OF 5

COROMETRICS MEDICAL SYSTEMS INC.			TITLE 115 RECORDER BOARD ASSY DUAL CARDIOTACH W/RS232 FRENCH 1@3 CM.	PL 6666X	REV 01
ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
21		471113	R14,19,23	RES 1K 1/4W 5%	3
22		471115	R12	RES 330 OHM 1/4W 5%	1
23		471120	R24	RES 100 OHM 1/4W 5%	1
24		472079	R17	RES 3.32K 1/8W 1%	1
25		472006	R16	RES 1K 1/8W 1%	1
26		471126	R7,20,28,30,35	RES 4.7K 1/4W 5%	5
27		471174	R15	RES 2.4M 1/4W 5%	1
28		471140	R4	RES 220 OHM 1/4W 5%	1
29		471163	R3,11	RES 200 OHM 1/4W 5%	2
30		471165	R6	RES 820 OHM 1/4W 5%	1
31		471173	R8	RES 3.3K 1/4W 5%	1
32		471182	R13	RES 150 OHM 1/4W 5%	1
33		474005	RN2,3,6,8	RES NTWK, 4.7K, 9 RES SIP	4
34		474007	RN4,5,7	RES NTWK, 10K, 9 RES SIP	3
35		474012	RN1	RES NTWK, 1.8K, 9 RES SIP	1
36		475022	R1,2	POT, 50K, 25T	2
37		486470	U22	IC, 74LS04	1
38		486472	U2	IC, 74LS10	1
39		486477	U16	IC, 74LS90	1
40		486484	U26	IC, 74LS165	1
41		486530	U19	IC, 74LS32	1

REVISION

DRAWN 8/24/87 VSidala	CHECKED BS 8-24-87	APPROVED 8-27-87	NEXT ASSY. SEE DWG	MODEL 115	PG. 2 OF 4

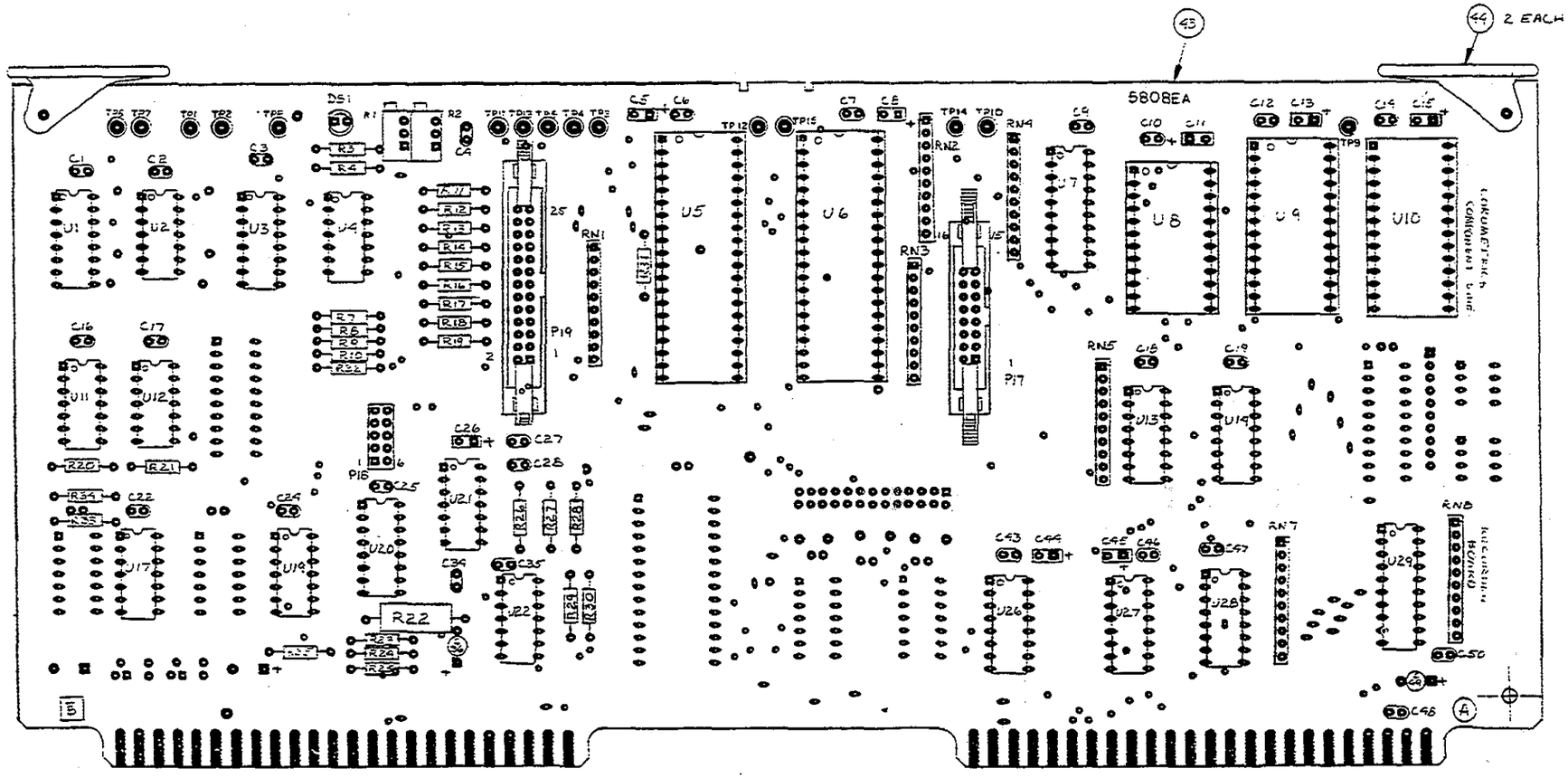
COROMETRICS MEDICAL SYSTEMS INC.	TITLE 115 RECORDER BOARD ASSY DUAL CARDIOTACH W/RS232 FRENCH: 1&3	PL 6666X	REV 01

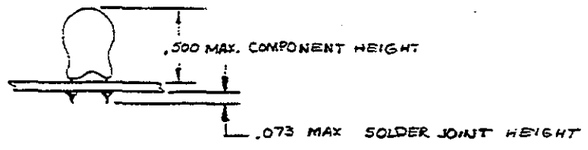
ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
63		514018	SP1	SWITCH-SLIDE, 10 POS DIP	1
64					
65					
66		471301	R22	RES 180 OHM 1W 5%	1
67					
68	A	6672F	U9	PREGRM IC FRN(RS232) 1&3CM	1
69	A	6673F	U10	PREGRM IC FRN(RS232) 1&3CM	1
70					
71					
72					
73					
74	C	5808JA	----------	P.C. BOARD	1
75					
76					

REVISION

DRAWN 3/24/87 VSadek	CHECKED BS 8-24-87	APPROVED 9-24-87	NEXT ASSY SEE DWG	MODEL 115	PG 4 OF 4

SYM	DESCRIPTION	DATE	APPROVAL
*	NEW ECN 9632 LDR	10/85	
*	PER ECN 5716	11/20/86	DK
*	PER ECN 5316	7/7/87	





NOTES

1. OBSERVE POLARITY & ORIENTATION MARKINGS ON ALL COMPONENTS
2. FOR SCHEMATIC SEE D6709 TAB
3. BOARD MUST BE STORED IN AN ANTI-STATIC BAG P/N 41008 (NOT SHOWN)
4. INSERT COMPONENTS FULLY INTO BOARD

PART NO	REV	DESCRIPTION	NEXT ASSY
D6709E	02	GERMAN	E6772 THB
D6709D	02	FRENCH	E6772TAB
D6709C	02	JAPANESE	E5972THB
D6709E	02	EUROPEAN	E6772 THB. PAL1230A
D6709A	02	ENGLISH	E5972THB PAL1230A

KEY TABLE	
CONN	POSITION
P17	NONE
P18	PIN 1
P19	NONE

PROPRIETARY & CONFIDENTIAL

MATERIAL ~ FINISH ~ LDR 10/85

COROMETRICS MEDICAL SYSTEMS, INC.

TITLE RECORDER BOARD 115-ASSY W/O R22

SIZE D 6709TAB REV *

REV	ECN	DESCRIPTION	BY	DATE	CHKD	APPD
*	4632		LOK	9/86		

QTY E	QTY D	QTY C	QTY B	QTY A	ITEM	REF. DESIG.	PART NO.	DESCRIPTION
		1			60	U10	862400	PRE GRM IC ASSY - GER
	1				60	U10	A73536	PRE GRM IC ASSY - FRN
				1	60	U10	862402	PRE GRM IC ASST - EURO
				1	60	U10	A73538	PRE GRM IC ASSY - ENG
1	1	1	1	1	59	R22	471301	RES 180Ω 1W 5%
1	1	1	1	1	58	U17	486540	IC 74LS08
					57			
		1			56	U10	862400	PRE GRM IC ASSY (JAP)
		1			55	U9	862400	PRE GRM IC ASSY (JAP)
2	2	2	2	2	54	R1,2	475022	POT 50K
2	2	2	2	2	53	R3,11	471163	RES 200Ω 1/4W 5%
1	1	1	1	1	52	R15	471174	RES 2.4M 1/4W 5%
1	1	1	1	1	51	R13	471182	RES 150Ω 1/4W 5%
1					50	U9	B6240Y	PRE GRM IC ASSY (GER)
	1				50	U9	B6240X	(FRN)
			1		50	U9	B6240W	(ENG)
				1	50	U9	A73538	PRE GRM IC ASSY (ENG)
1	1	1	1	1	49	R12	471115	RES 330Ω 1/4W 5%
8	8	8	8	8	48	C5,8,11,13 C15,20 C44,45	152016	CAP 8.2uf 15V 15% TANT
1	1	1	1	1	47	U8	215006	SOCKET, IC 24 PIN DIP
1	1	1	1	1	46	U8	487553	IC 6116LP-4 RAM
1	1	1	1	1	45	DS1	390040	LED, RED
2	2	2	2	2	44	———	280177	EJECTOR, CARD, RED
1	1	1	1	1	43	———	DS808MA	P.C. BOARD
2	2	2	2	2	42		215004	SOCKET, IC 28 PIN DIP
2	2	2	2	2	41	U5,6	215005	SOCKET, IC, 40 PIN DIP
1	1	1	1	1	40	RN1	474012	RES NTWK 1.8K 9RES

QTY E	QTY D	QTY C	QTY B	QTY A	ITEM	REF. DESIG.	PART NO.	DESCRIPTION
1	1	1	1	1	39	U6	487567	IC 8155H
1	1	1	1	1	38	R31	471145	RES 24K 1/4W 5%
1	1	1	1	1	37	U20	487526	IC SAA1027
1	1	1	1	1	36	U5	487520	8085
1	1	1	1	1	35	U4	487038	LM339
1	1	1	1	1	34	U11	486603	CD4024
2	2	2	2	2	33	U12,21	486601	CD4011
2	2	2	2	2	32	U13,14	486561	74LS138
2	2	2	2	2	31	U27,28	486542	74LS174
2	2	2	2	2	30	U1,3	486541	74LS163
1	1	1	1	1	29	U29	486538	74LS541
1	1	1	1	1	28	U7	486535	74LS373
1	1	1	1	1	27	U19	486530	74LS32
1	1	1	1	1	26	U26	486484	74LS165
1	1	1	1	1	25	U2	486472	74LS10
1	1	1	1	1	24	U22	486470	IC 74LS04
3	3	3	3	3	23	RN4,5,7	474007	RES. NTWK 10K 9 RES.
3	3	3	3	3	22	RN2,3,8	474005	RES. NTWK 4.7K 9 RES.
1	1	1	1	1	21	R17	472079	RES 3.32K 1/8W 1%
1	1	1	1	1	20	R6	471173	3.3K 1/4W 5%
1	1	1	1	1	19	R4	471140	220Ω
5	5	5	5	5	18	R7,20,28 R30,35	471126	4.7K
1	1	1	1	1	17	R24	471120	100Ω
3	3	3	3	3	16	R14,19,23	471113	1K
6	6	6	6	6	15	R21,27,29 R32-34	471109	10K
2	2	2	2	2	14	R18,25	471108	100K
2	2	2	2	2	13	R9,10	471107	1.5K 1/4W 5%
1	1	1	1	1	12	R16	472006	11K 1/8W 1%
1	1	1	1	1	11	R26	471102	RES 1M 1/4W 5%
15	15	15	15	15	10	TP1-15	216004	TERMINAL, TURRET 1/8
1	1	1	1	1	9	P19	212810	HEADER 2X13 STR. RIB
1	1	1	1	1	8	P17	212361	HEADER 2X8 STR. RIB
1	1	1	1	1	7	P18	212009	HEADER 2X5
3	3	3	3	3	4	C4,25,28	154034	CAP .1uf 50V 10% CER
23	23	23	23	23	3	C1-3,6,7,9 C10,12,16-19 C22,24,27 C34,35,43 C46-48,50	154023	.01uf 50V 10% CER
1	1	1	1	1	2	C36	152076	15uf 20V 20% TANT
1	1	1	1	1	1	C49	152048	CAP 68uf 15V 10% TANT

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DRAWN LOK 9/9/86
ENGINEER 5-21-87
APPROVED 5-21-87
MATERIAL N
FINISH N
SEE TABLE 115
NEXT ASSY USED ON
APPLICATION

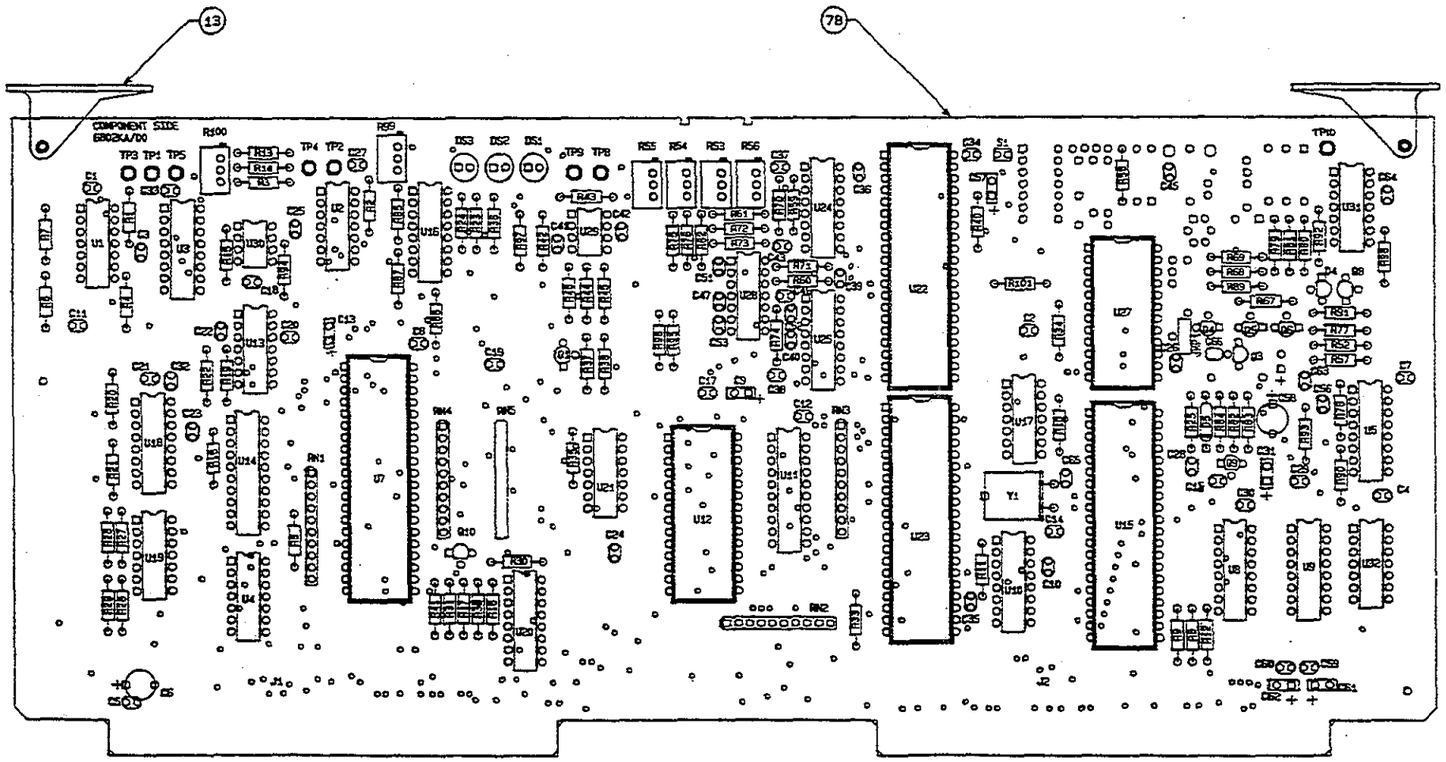
COROMETRICS® MEDICAL SYSTEMS, INC.

TITLE 115 RECORDER BOARD ASSY W/O RS232

SIZE D | DRAWING NUMBER 6709TAB | REV *

SCALE 2:1 | 1/ASSY | SHEET 2 OF 2

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
*	5969	SEE ECN	—	—	—	—
*	6047	BOM CHG ON ITEM 69 FOR BOTH ASSY'S	M	11/6/87	BS	DJE



NOTES:
1-OBSERVE POLARITY AND ORIENTATION MARKINGS OF ALL COMPONENTS.
2-INSERT COMPONENTS FULLY INTO BOARD.
3-FOR SCHEMATIC DRAWING SEE D6802HC OR JC.
4-STORE IN ANTISTATIC BAG P/N 410080 - NOT SHOWN.
5-FOR PARTS LIST SEE P/L 6802H OR J.
6-SEE D6802AB FOR BLOCK DIAGRAM

PART NO.	REV.	DESCRIPTION
C6802H	01	
C6802J	01	JAPANESE

PROPRIETARY & CONFIDENTIAL

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DO NOT SCALE - WORK TO DIMENSIONS SHOWN. REMOVE BURRS, BREAK SHARP EDGES & CORNERS

D7667TAB	115
D7691TAS	115
D7694TAB	115
D7700TAS	115
NEXT ASSY	USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS = ~
2 PLACE DECIMALS = ~
3 PLACE DECIMALS = ~
ANGLES = ~

DRAWN Mike A. Maddox DATE 10/16/87
CHECKED BS DATE 10-30-87
ENGINEER SC DATE 11-3-87
APPROVED SC DATE 11-3-87

MATERIAL ~
FINISH ~

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK, WALLINGFORD, CONNECTICUT

TITLE 115 CPU Bro Assy's

SIZE C | DRAWING NUMBER 6802TAB | REV *

SCALE 1.25 | SHEET 1 OF 1

COROMETRICS MEDICAL SYSTEMS INC.	TITLE KEYBOARD PROCESSOR BOARD ASSY.	P.L. 61808	REV. 00

ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
1		150001	C4	CAP 5PF 500V 10% MICA	1
2		150006	C3	CAP 20PF 300V 5% MICA	1
3		152048	C9	CAP 68UF 15V 10% TANT	1
4		152075	C12,14,6,13,17	CAP 10UF 25V 10% TANT	5
5		152102	C7,8,11	CAP 1.0UF 35V 20% TANT	3
6		154034	C1,2,5,10,15,16	CAP .1UF 50V 10% CER	6
7		211322	J4	HEADER 3 CKT RT. ANGLE	1
8		212210	J2	HEADER 2 x 7 RT. ANGLE	1
9		212359	J3	HEADER 1 x 16 POLARIZED	1
10		212516	J1	HEADER 2 x 10 RT. ANGLE	1
11		215005	U4	SOCKET 40 PIN DIP	1
12		230006	Y1	CRYSTAL 6.144MHZ	1
13		400017	U7	INVERTER, DC to AC	1
14		471126	R1-R4	RES 4.7K 1/4W 5%	4
15		474005	RN1	RES NTWK 4.7K 10 PIN SIP	1
16		475070	R9	POT 10K THRU BRD ADJ	1
17		480028	D1-D8	DIODE 1N5818	8
18		486493	U2	IC, 74LS05	1
19		486549	U3	IC, 74LS157	1
20		486561	U5	IC, 74LS138	1
21		486570	U6	IC, 74LS151	1

REVISION	
00	NEW
01	ECN 5784 4-15-87 J.A.
02	ECN 6893 2-27-87 GAS
00	ECN 5967'B" 11-4-87 JC

DRAWN	CHECKED	APPROVED	NEXT ASSY	MODEL	PG 1 OF 2
C. ERNANDEZ			7102A	2116	

COROMETRICS MEDICAL SYSTEMS INC.		TITLE 115 DUAL CARDIOTACH BOARD ASSY		P.L. 6802H	REV. 02
ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
18		471113	R12,18,31,41,52,57 67,68,69,79	RES 1K 1/4W 5%	10
19					
20					
21					
22		471126	R8,9,10,11,34,35,40 82,85,86,87,93,101	RES 4.7K 1/4W 5%	13
23		471128	R59,60,90	RES 5.1K 1/4W 5%	3
24					
25		471140	R37,38,58	RES 220 OHM 1/4W 5%	3
26		471142	R77,78,83	RES 12K 1/4W 5%	3
27					
28		472013	R70,71	RES 4.99K 1/8W 1%	2
29		472023	R80	RES 19.1K 1/8W 1%	1
30		472098	R72	RES 162K 1/8W 1%	1
31		472156	R76	RES 60.4K 1/8W 1%	1
32		472221	R73	RES 27.4K 1/8W 1%	1
33		472233	R75	RES 11.8K 1/8W 1%	1
34		472251	R62	RES 1.15K 1/8W 1%	1
35		472253	R61	RES 2.8K 1/8W 1%	1
36		474005	RN1,2,3,5	RES NETWORK, 4.7K, 9 POS	4
37		475021	R54	POT, 500 OHM, 25T	1
38		475022	R55,56,99	POT, 50K, 25T	3

REVISION

DRAWN	CHECKED	APPROVED	NEXT ASSY.	MODEL	PG. 2 OF 6
C. Ernandez		SC		115	

COROMETRICS MEDICAL SYSTEMS INC.		TITLE 115 DUAL CARDIOTACH BOARD ASSY		P.L. 6802H	REV. 02
ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
60		486006	U24,U25	IC, DAC1408	2
61		486608	U16	IC, 4049	1
62		486618	U2	IC, 4081	1
63		487068	U30	IC, OP-07CP	1
64					
65		487626	U27	IC, D51287	1
66		487508	U10	IC, 8224	1
67		487520	U15	IC, 8085A	1
68		487592	U14	IC, AD7528DAC	1
69	A	6599N	U12	IC, PRE GRM 27128	1
70		487567	U22	IC, P8155H	1
71		487568	U7,U23	IC, 8255A-5	2
72		487070	U13,U28	IC, TL-074	2
73		487113	U29	IC, TL-072	1
74		486647	U18	IC, DG211	1
75		486579	U20	IC, 74LS365A	1
76		487065	D4	Diode, TL-431	1
78	C	6802KA	----------	P.C. BOARD	1
79		230016	Y1	Crystal, 6.144 MHz	1
80		471149	R36,94,95,96,97	RES 470 OHM 1/4W 5%	5
81		472018	R81	RES 10K 1/8W 1%	1

REVISION

DRAWN	CHECKED	APPROVED	NEXT ASSY.	MODEL	PG.
C. Ernandez		SC		115	4 OF 6

COROMETRICS MEDICAL SYSTEMS INC.	TITLE 115 DUAL CARDIOTACH BOARD ASSY	P.L 6802H	REV. 02

ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
60		486006	U24,U25	IC, DAC1408	2
61		486608	U16	IC, 4049	1
62		486618	U2	IC, 4081	1
63		487068	U30	IC, OP-07CP	1
64					
65		487626	U27	IC, DS1287	1
66		487508	U10	IC, 8224	1
67		487520	U15	IC, 8085A	1
68		487592	U14	IC, AD7528DAC	1
69	A	6599N	U12	IC, PRE GRM 27128	1
70		487567	U22	IC, P8155H	1
71		487568	U7,U23	IC, 8255A-5	2
72		487070	U13,U28	IC, TL-074	2
73		487113	U29	IC, TL-072	1
74		486647	U18	IC, DG211	1
75		486579	U20	IC, 74LS365A	1
76		487065	D4	Diode, TL-431	1
78	C	6802KA	----------	P.C. BOARD	1
79		230016	Y1	Crystal, 6.144 MHz	1
80		471149	R36,94,95,96,97	RES 470 OHM 1/4W 5%	5
81		472018	R81	RES 10K 1/8W 1%	1

REVISION

DRAWN	CHECKED	APPROVED	NEXT ASSY.	MODEL	PG.
C. Ernandez		SC		115	4 OF 6

COROMETRICS MEDICAL SYSTEMS INC.	TITLE 115 DUAL CARDIOTACH BOARD ASSY	P.L. 6802H	REV. 02

ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
18		471113	R12,18,31,41,52,57 67,68,69,79	RES 1K 1/4W 5%	10
19					
20					
21					
22		471126	R8,9,10,11,34,35,40 82,85,86,87,93,101	RES 4.7K 1/4W 5%	13
23		471128	R59,60,90	RES 5.1K 1/4W 5%	3
24					
25		471140	R37,38,58	RES 220 OHM 1/4W 5%	3
26		471142	R77,78,83	RES 12K 1/4W 5%	3
27					
28		472013	R70,71	RES 4.99K 1/8W 1%	2
29		472023	R80	RES 19.1K 1/8W 1%	1
30		472098	R72	RES 162K 1/8W 1%	1
31		472156	R76	RES 60.4K 1/8W 1%	1
32		472221	R73	RES 27.4K 1/8W 1%	1
33		472233	R75	RES 11.8K 1/8W 1%	1
34		472251	R62	RES 1.15K 1/8W 1%	1
35		472253	R61	RES 2.8K 1/8W 1%	1
36		474005	RN1,2,3,5	RES NETWORK, 4.7K, 9 POS	4
37		475021	R54	POT, 500 OHM, 25T	1
38		475022	R55,56,99	POT, 50K, 25T	3

REVISION

DRAWN	CHECKED	APPROVED	NEXT ASSY.	MODEL	PG. 2 OF 6
C. Ernandez		SC		115	

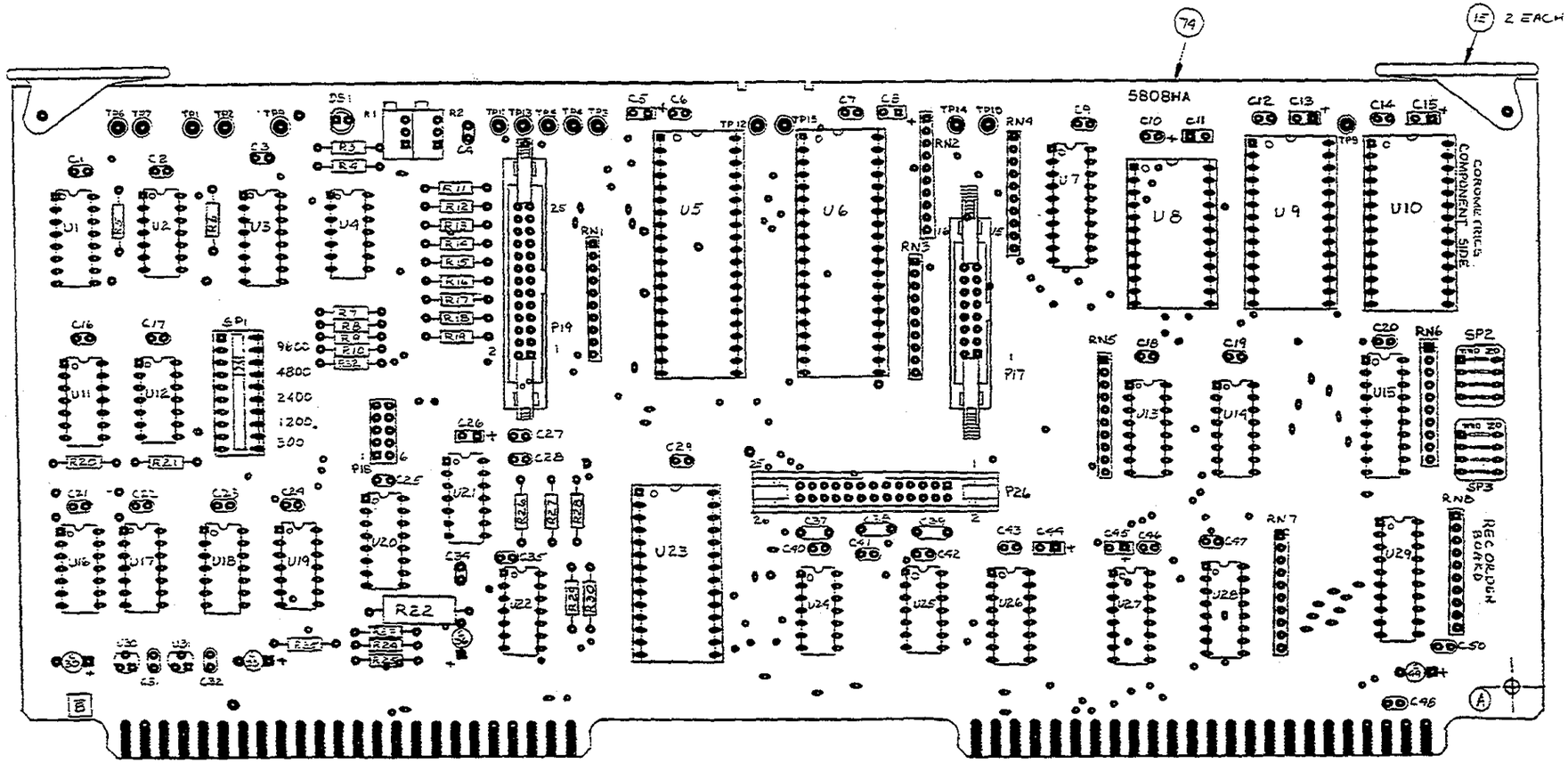
COROMETRICS MEDICAL SYSTEMS INC.	TITLE KEYBOARD PROCESSOR BOARD ASSY	P.N. 61808	REV. 00

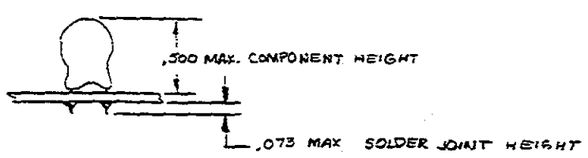
ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
1		150001	C4	CAP 5PF 500V 10% MICA	1
2		150006	C3	CAP 20PF 300V 5% MICA	1
3		152048	C9	CAP 68UF 15V 10% TANT	1
4		152075	C12,14,6,13,17	CAP 10UF 25V 10% TANT	5
5		152102	C7,8,11	CAP 1.0UF 35V 20% TANT	3
6		154034	C1,2,5,10,15,16	CAP .1UF 50V 10% CER	6
7		211322	J4	HEADER 3 CKT RT. ANGLE	1
8		212210	J2	HEADER 2 x 7 RT. ANGLE	1
9		212359	J3	HEADER 1 x 16 POLARIZED	1
10		212516	J1	HEADER 2 x 10 RT. ANGLE	1
11		215005	U4	SOCKET 40 PIN DIP	1
12		230006	Y1	CRYSTAL 6.144MHZ	1
13		400017	U7	INVERTER, DC to AC	1
14		471126	R1-R4	RES 4.7K 1/4W 5%	4
15		474005	RN1	RES NTWK 4.7K 10 PIN SIP	1
16		475070	R9	POT 10K THRU BRD ADJ	1
17		480028	D1-D8	DIODE 1N5818	8
18		486493	U2	IC, 74LS05	1
19		486549	U3	IC, 74LS157	1
20		486561	U5	IC, 74LS138	1
21		486570	U6	IC, 74LS151	1

REVISION	
00	NEW
01	ECN 5784 4-15-87 J.A.
02	ECN 5893 2-27-87 GAS
00	ECN 5967 "B" 11-4-87 JC

DRAWN	CHECKED	APPROVED	NEXT ASSY	MODEL	PG 1 OF 2
C. ERNANDEZ		M. Kelly	7102A	2116	

REVISIONS				
BYTE	DESCRIPTION		DATE	APPROVAL
A	NEW ECN 9632	LOK	9/2/85	
01	ECN 5175	MM	4/23/86	MK
02	PE2 ECN 5318	MM	7/1/86	
03	PE2 ECN 6048	MM	9/26/86	





NOTES:

1. OBSERVE POLARITY & ORIENTATION MARKINGS ON ALL COMPONENTS
2. FOR SCHEMATIC SEE D6808TAB
3. BOARD MUST BE STORED IN AN ANTI-STATIC BAG P/N 416080 (NOT SHOWN)
4. INSERT COMPONENTS FULLY INTO BOARD

PART NO	REV	DESCRIPTION	NEXT ASSY
6808M	03	GEN W/RS232	E6235K
6808L	03	FRENCH W/RS232	E6235J
6808K	03	EXC W/RS232	E6224F&H E6235F&K PL1230A
6808J	03	DOMESTIC W/RS232	E6224E PL1230A

KEY TABLE	
CONN	POSITION
P17	NONE
P18	PIN 1
P19	NONE
P26	NONE

PROPRIETARY & CONFIDENTIAL

MATERIAL ~ FINISH ~

LOK 9/2/85 5-27-86 7-1-86

CORONOMETRICS MEDICAL SYSTEMS, INC.

TITLE: RECORDER BOARD 115 ASSY WITH RS232

SIZE D | 6808TAB | REV *

SCALE 2X1 | SHEET 1 OF 1

REVISIONS			
DTR	DESCRIPTION	DATE	APPROVAL
*	SEE SHEET 1 LOR	9/85	W

QTY. K	QTY. J	ITEM	REF. DESIG.	PART NO.	DESCRIPTION
0	0	77	———	D6808BB	BLOCK DIAGRAM
1	X	76	U10	A7353B	PREGEM IC - GERMAN
X	1	75	U9	A6240Y	PREGEM IC - GERMAN
1	1	74	———	D5808HA	P.C. BOARD
X	1	73	U10	A7353A	PREGEM IC - FRENCH
X	1	72	U9	A6240X	PREGEM IC - FRENCH
X	1	71	U10	A6240Z	PREGEM IC EURO-ENG(RS232)
X	1	70	U9	A6240W	EURO-ENG(RS232)
X	1	69	U10	A6240U	DOM(RS232)
X	1	68	U9	A6240V	PREGEM IC DOM(RS232)
		67			
		66			
		65			
1	1	64	R22	471301	RESISTOR 180Ω 1W 5%
1	1	63	SP1	514018	SWITCH-SLIDE 10POS DIP
2	2	62	SP2, SP3	514010	SWITCH 4POS SPST DIP
1	1	61	U23	487575	I.C. 8251A USART
1	1	60	U6	487567	8155H
1	1	59	U8	487553	6116LP
1	1	58	U20	487526	SAA1027
1	1	57	U5	487520	8085
1	1	56	U31	487136	LM79L12 -12V REG.
1	1	55	U30	487105	LM78L12 +12V REG
1	1	54	U25	487138	MC1489A
1	1	53	U24	487137	MC1488
1	1	52	U4	487038	LM339
1	1	51	U15	486663	74C244
1	1	50	U11	486603	CD4024
2	2	49	U12, U21	486601	CD4011
2	2	48	U13, U14	486561	74LS138
1	1	47	U18	486550	74LS393
2	2	46	U27, U28	486542	74LS174
2	2	45	U1, U3	486541	74LS163A
1	1	44	U17	486540	74LS08
1	1	43	U29	486538	74LS541
1	1	42	U7	486535	74LS373
1	1	41	U19	486530	74LS32
1	1	40	U26	486484	74LS165
1	1	39	U16	486477	74LS90
1	1	38	U2	486472	74LS10
1	1	37	U22	486470	I.C. 74LS04
2	2	36	R1, R2	475022	POT 50K 25T
1	1	35	RN1	474012	RES NTWK 1.8K 9RES SIP
3	3	34	RN4, 5, 7	474007	RES NTWK 10K 9RES SIP
4	4	33	RN2, 3, 6, 8	474005	RES NTWK 4.7K 9RES SIP
1	1	32	R13	471182	RESISTOR 150Ω 1/8W 5%
1	1	31	R8	471173	RESISTOR 3.3K 1/8W 5%
1	1	30	R6	471165	RESISTOR 820Ω 1/4W 5%
2	2	29	R3, R11	471163	200Ω
1	1	28	R4	471140	220Ω
1	1	27	R15	471174	2.4K
5	5	5	5	26	R22,28,33,35	471126	4.7K 1/4W 5%
1	1	25	R16	472006	1K 1/8W 1%
1	1	24	R17	472079	2.32K 1/8W 1%
1	1	23	R24	471120	100Ω 1/4W 5%
1	1	22	R12	471115	330Ω
3	3	21	R14, R19, R29	471113	1K
5	5	20	R5,R21,R27,R29,R32	471109	10K
2	2	19	R18, R25	471108	100K
2	2	18	R9, R10	471107	1.5K
1	1	17	R26	471102	RESISTOR 1M 1/4W 5%
1	1	16	DS1	390040	LED RED
2	2	15	———	280177	EJECTOR CARD RED
15	15	14	TP1—TP15	216004	TERMINAL TURRET 1/8 DIA
1	1	13	U8	215006	SOCKET I.C. 24 PIN DIP
2	2	12	U5, U6	215005	SOCKET I.C. 40 PIN DIP
3	3	11	U9, U10, U23	215004	SOCKET I.C. 28 PIN DIP
2	2	10	P19, P26	212810	HEADER 2x13 STR RIBBON
1	1	9	P17	212361	HEADER 2x8 STR RIBBON
1	1	8	P18	212009	HEADER 2x5 STR
5	5	5	5	7	C4, C25, C28 C31, C32	154034	CAP .1uf 50V 10% CER
30	30	30	30	6	C1-3, 6, 7, 9, 10, 12 14, 16-24, 27, 29 34, 35, 40-43 46-48, 50	154023	.01uf 50V 10% CER
2	2	2	2	5	C30, C33	152102	1uf 35V 20% TANT
1	1	1	1	4	C36	152076	15uf 20V 20% TANT
1	1	1	1	3	C49	152048	68uf 15V 10% TANT
8	8	8	8	2	C5, 8, 11, 13, 15, 26 44, 45	152016	8.2uf 15V 15% TANT
3	3	3	3	1	C37, C38, C39	150037	CAP 330pf 500V 5% MICA

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MATERIAL — LOR — 12/16/85

FINISH

SECTABLE 115

NEXT ASSY USED ON

APPLICATION

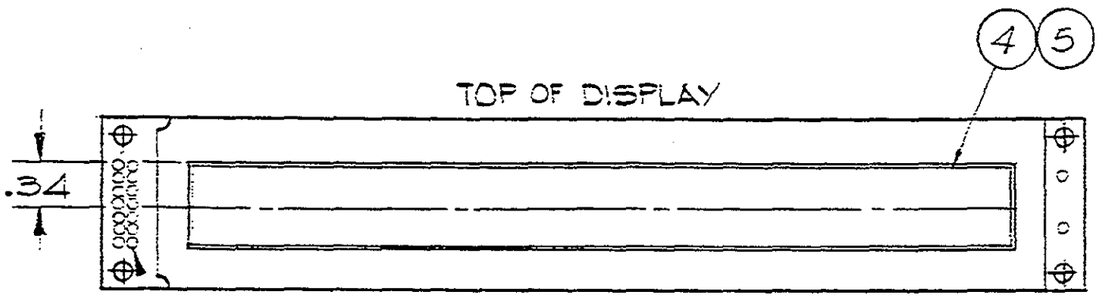
COROMETRICS MEDICAL SYSTEMS, INC.

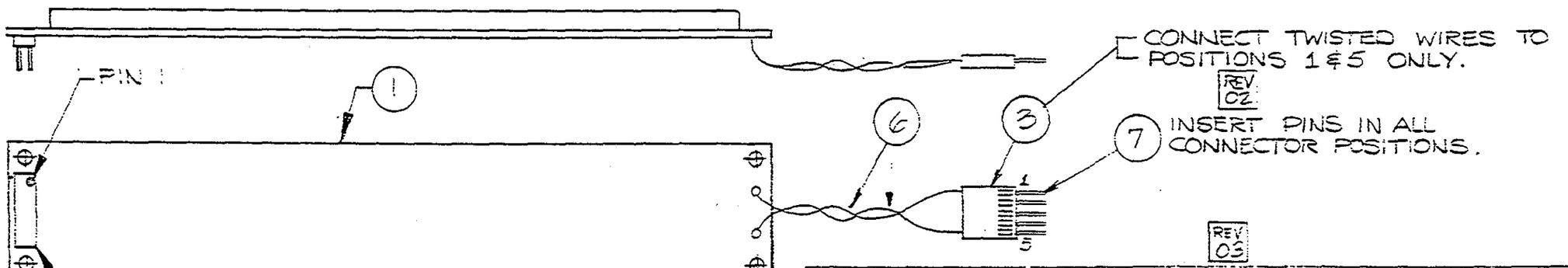
TITLE 115 RECORDER BRD. ASSEMBLY

SIZE D — DRAWING NUMBER 6808 TAB — REV *

SCALE NONE — SHEET 2 of 2

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
00	NEW RELEASE BS	1/86	
01	ADDED ITEMS 4&5 AND REMOVE WHITE....."ECN 5554 VS	11/86	
02	ITEM 3 WAS P/N 211506, ADD ITEMS 6&7 ECN 5675 VS	2/87	
03	ECN 5817; ITEM 5 WAS 160044 ITEM 7 WAS 210026 PER J.A	6/5/87	


TOP OF DISPLAY
.34
FRONT VIEW
4
5
REMOVE WHITE BACKING PAPER FROM FILTER BEFORE ATTACHING TO DISPLAY WITH TAPE. INSTALL FILTER FLUSH WITH TOP EDGE OF DISPLAY BEZEL. APPLY TAPE BELOW DIMENSION LINE.
REV 03



QTY.	ITEM	REF. DESIG.	PART NUMBER	DESCRIPTION
5	7		210145	CONTACT, MALE
4"	6		605109	WIRE, WHITE #24
.16FT.	5		310025	TAPE, DOUBLE ADHESIVE
1	4		B7333AA	LCD WINDOW FILTER
1	3		211505	5 CKT HOUSING, 1X5
1	2		212207	HEADER 2X7
1	1		390061	LCD DISPLAY

REV A3 REV 01 REV 02 REV 02

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7102A	211G
NEXT ASSY	USED ON
APPLICATION	

MATERIAL ~

FINISH ~

DRAWN B. SHOTWELL DATE 1-2-86
CHECKED DATE
ENGINEER DATE
APPROVED DATE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS = ~
2 PLACE DECIMALS = ~
3 PLACE DECIMALS = ~
ANGLES = ~

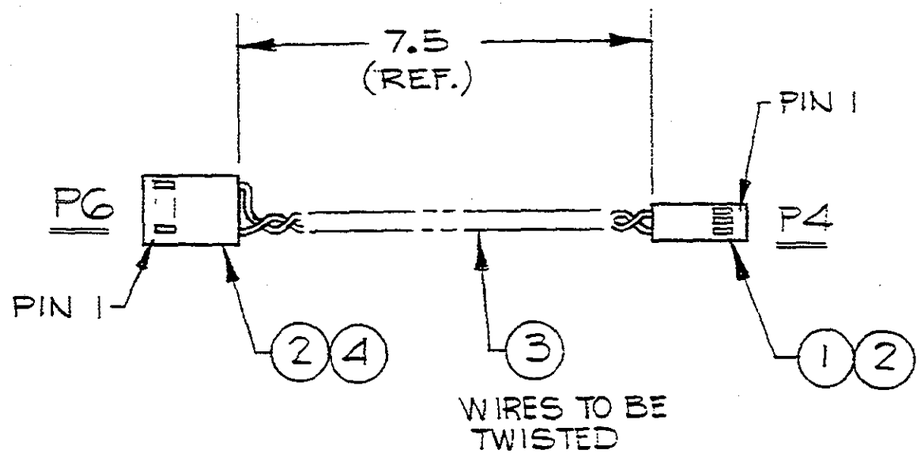
COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

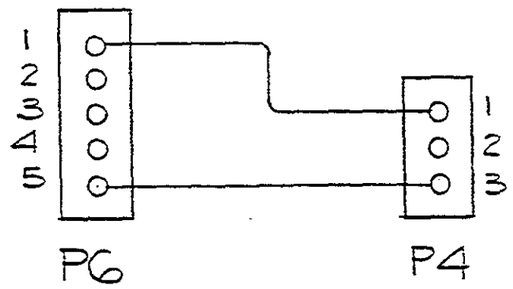
TITLE
211G KEYBOARD DISPLAY ASSY.

SIZE	DRAWING NUMBER	REV.
B	7064A	03

SCALE FULL | 1/ASSY | SHEET 1 OF 1

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
00	NEW RELEASE BS	12/85	





WIRING DIAGRAM

NOTE : INSERT CONTACTS IN ALL CONNECTOR POSITIONS.

QTY.	ITEM	REF. DESIG.	PART NUMBER	DESCRIPTION
1	4		211505	CONNECTOR, 5 CKT
16"	3		605059	WIRE #26 WHT
8	2		210189	CONTACT, FEMALE
1	1		211315	CONNECTOR, 3 CKT. HSNG

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D7102A	2116
NEXT ASSY	USED ON
APPLICATION	

MATERIAL ~

FINISH ~

DRAWN B. SHOTWELL DATE 12-20-85
CHECKED [signature] DATE 4.3.86
ENGINEER [signature] DATE 4.4.86
APPROVED [signature] DATE 4.9.86

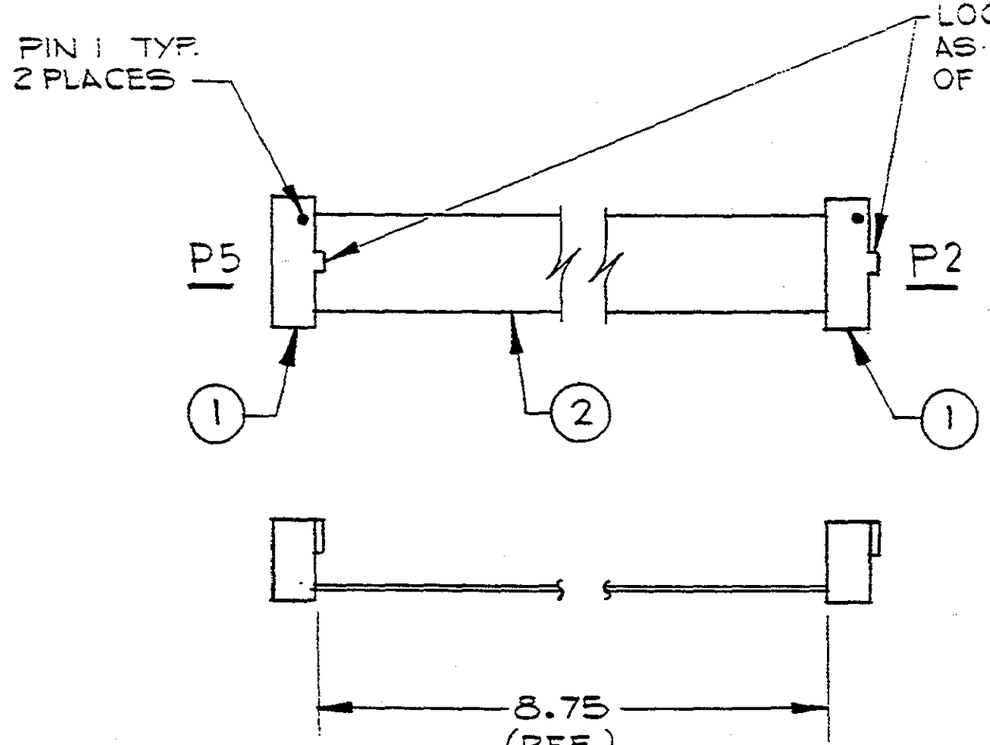
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ± 1/64"
2 PLACE DECIMALS ± ~
3 PLACE DECIMALS ± ~
ANGLES ± ~

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE 2116 KEYBOARD BACKLIGHT HARN. ASSY.

SIZE	DRAWING NUMBER	REV.
B	7065A	00

SCALE FULL 1/ASSY. SHEET 1 OF 1



REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVAL
00	NEW RELEASE BS	12/85	

QTY.	ITEM	REF. DESIG.	PART NUMBER	DESCRIPTION
10"	2		600549	CABLE, RIBBON - 14 COND.
2	1		212209	CONNECTOR 14 CKT.
A				

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D7102A	2116
NEXT ASSY	USED ON
APPLICATION	

MATERIAL

FINISH

DRAWN B. SHOTWELL DATE 12-20-85
CHECKED R. Mussa DATE 4-3-86
ENGINEER M. Kelly DATE 4.4.86
APPROVED D.A. Bowles DATE 4.4.86

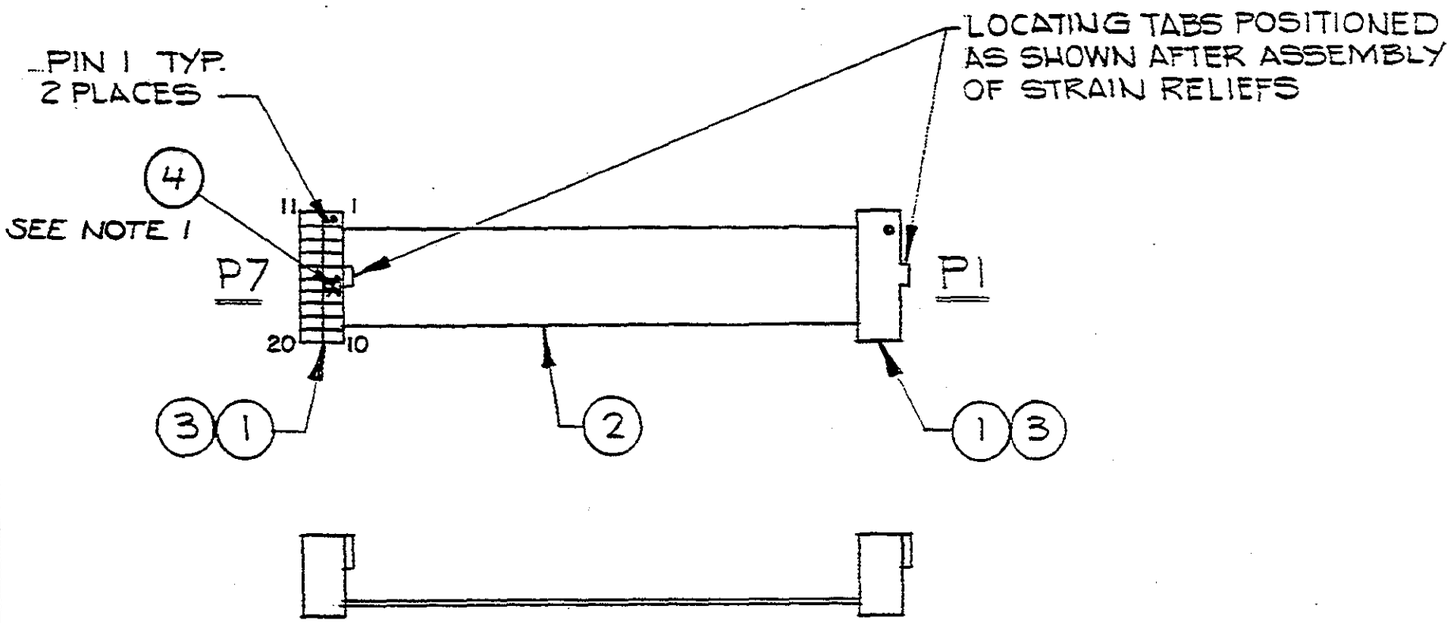
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ± 1/2
2 PLACE DECIMALS ± ~
3 PLACE DECIMALS ± ~
ANGLES ± ~

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE 2116 KEYBOARD DISPLAY HARN. ASSY.

SIZE	DRAWING NUMBER	REV.
B	7066A	00

SCALE FULL 1/ASSY. SHEET 1 OF 1



REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
00	NEW RELEASE BS	12/85	
01	ECN 5198 ITEM 2 QTY. WAS 5" J.A	5/9/86	
02	ECN 5918, ADDED ITEM 4 J.C.	8/87	

NOTE:

1. PLACE ITEM (4) IN POSITION 6 OF P7

	QTY.	ITEM	REF. DESIG.	PART NUMBER	DESCRIPTION
	A				
	1	4		210074	LOCATING KEY
REV 02	2	3		212509	STRAIN RELIEF
REV 01	7"	2		600526	CABLE, RIBBON - 20 COND.
	2	1		212510	CONNECTOR 20CKT.

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2116AAX	
C7102A)	2116
NEXT ASSY	USED ON
APPLICATION	

MATERIAL ~

FINISH ~

DRAWN B. SHOTWELL DATE 12-20-85

CHECKED E Wesson DATE 4.3.86

ENGINEER M. Velie DATE 4.4.86

APPROVED D. Schmucker DATE 4.4.86

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS = 1/8

2 PLACE DECIMALS = ~

3 PLACE DECIMALS = ~

ANGLES = ~

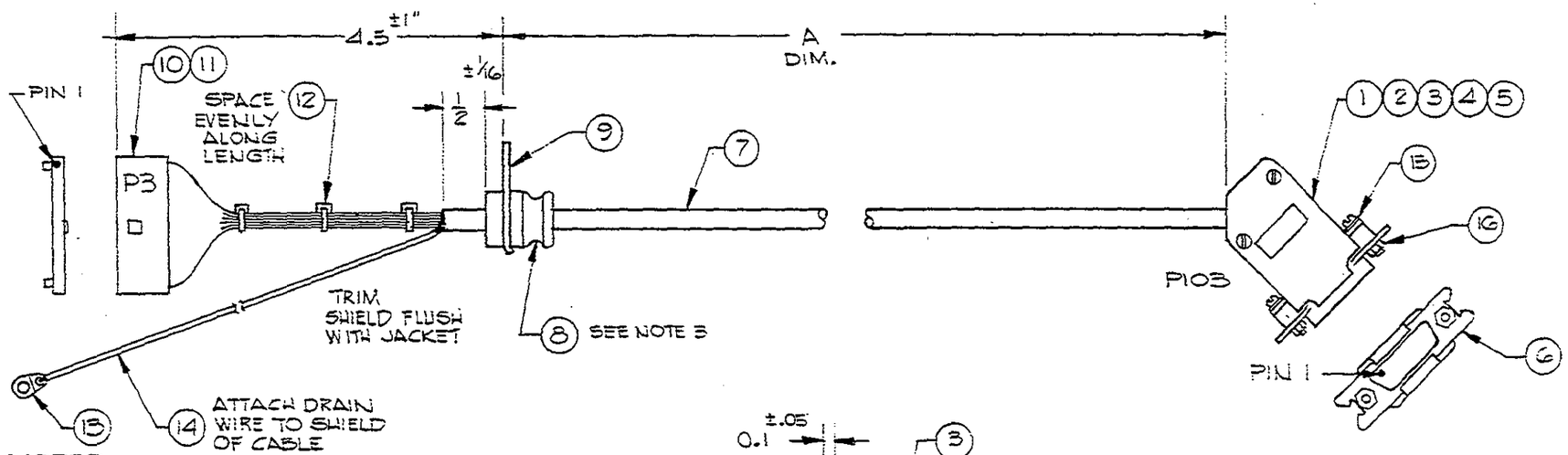
COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE 2116 KEYBOARD HARNESS ASSY.

SIZE	DRAWING NUMBER	REV.
B	7067A	02

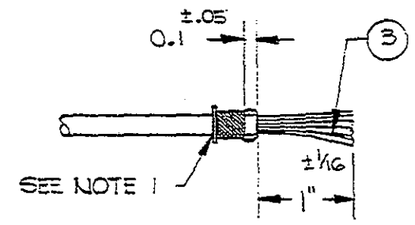
SCALE FULL | 1/ASSY. | SHEET 1 OF 1

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
00		NEW RELEASE	BS	12/5?		



NOTES:

1. BOND SMALLEST I.D. STRAIN RELIEF IN POSITION WITH VC-1 AS SHOWN. FOLD SHIELD BACK OVER STRAIN RELIEF.
2.
3. INSTALL STRAIN RELIEF BUSHING ON CABLE BEFORE INSTALLING RELIEF PLATE.



WIRE PREP DETAIL

WIRING CHART			
CONN. CONTACT NO.		WIRE	
FROM	TO	COLOR	GAUGE
P3-1	P103-2	GRN	26
-3	-6	ORG	28
-4	-4	BLK	28
-5	-5	WHT	28
-6	-14	BLK/WHT	28
-7	-15	RED/WHT	28
-8	-7	BLU	28
-9	-9	WHT/BLK	28
-10	-10	RED/BLK	28
-11	-11	GRN/BLK	28
-12	-12	ORG/BLK	28
-13	-13	BLU/WHT	28
-16	-5	RED	26
P103-1	———	SHIELD	———
P103-2	P103-8	BLK	26

LOT RELEASED	PART NUMBER	REV.	NEXT ASSY	"A" DIM.
	C7069B	00	D7102	6 FT
	C7069A	00	D7102A	10 FT

QTY B	QTY A	ITEM	REF. DESIG.	PART NUMBER	DESCRIPTION
2	2	16		281516	HEX NUT #4-40
2	2	15		285029	WASHER, LOCK #4 SPLIT
10"	10"	14		605255	WIRE #15 GRN
1	1	13		216000	GROUND LUG #4
3	3	12		608036	TYRAP
13	13	11		210189	CONTACT-FEMALE
1	1	10		212358	HOUSING 1X16
1	1	9		B6934AA	CABLE ENTRY PLATE
1	1	8		608105	STRAIN RELIEF BUSHING
76"	126"	7		A5882AA	CABLE - KEYPAD
1	1	6		212310	SPRING LATCH
1	1	5		210225	BACKSHELL SHIELDED
0	0	4		160007	SOLVENT CEMENT-VC-1
2.5"	2.5"	3		605050	WIRE #26 BLK
15	15	2		210191	CONTACT-MALE
1	1	1		212311	CONNECTOR 15 CKT.

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DO NOT SCALE - WORK TO DIMENSIONS SHOWN
REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS = 0"
2 PLACE DECIMALS = ~
3 PLACE DECIMALS = ~
ANGLES = ~

NEXT ASSY	USED ON
	2116
APPLICATION	

DRAWN B. SHOTWELL DATE 12-22-85
CHECKED [illegible] DATE 4.3.86
ENGINEER M. Kelley DATE 4.4.86
APPROVED [illegible] DATE 4.9.86

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK WALLINGFORD, CONNECTICUT

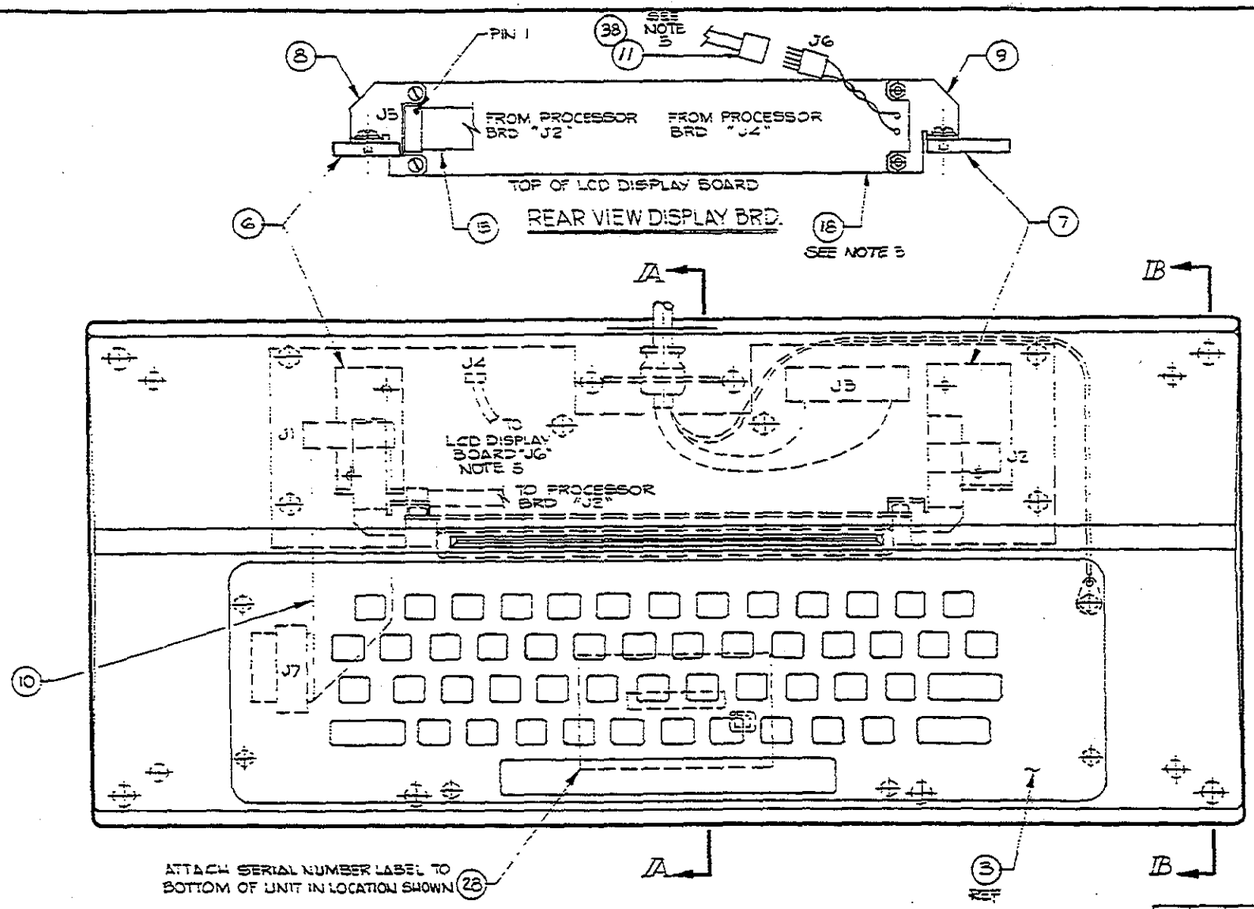
TITLE 2116 KEYBOARD MAIN CABLE ASSY.

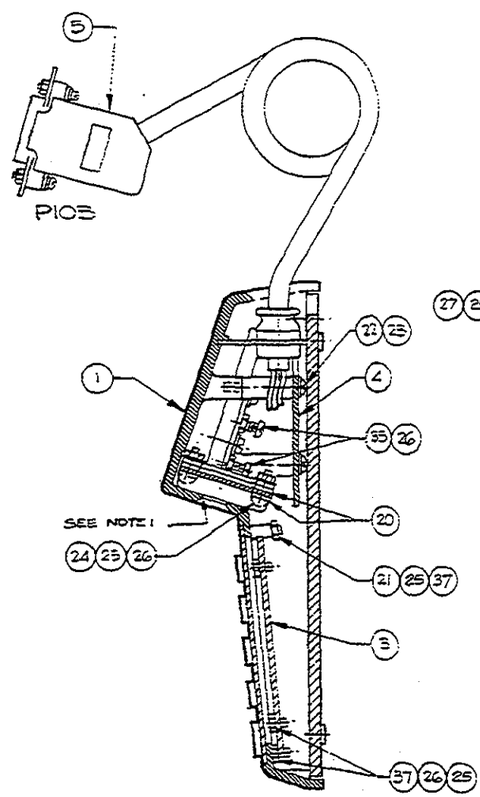
MATERIAL	FINISH
~	~

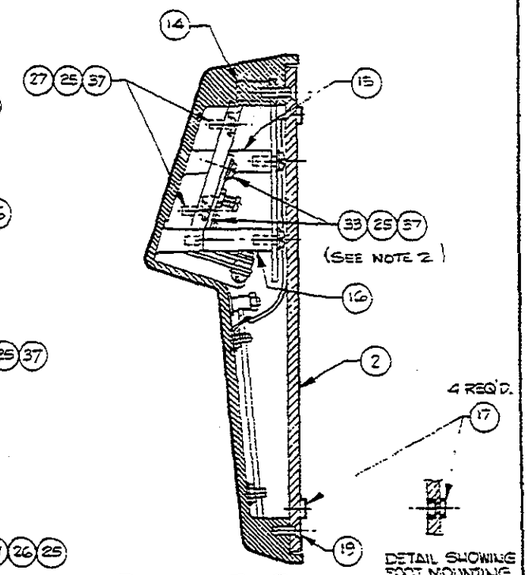
SIZE	DRAWING NUMBER	REV.
C	7069 TAB	*

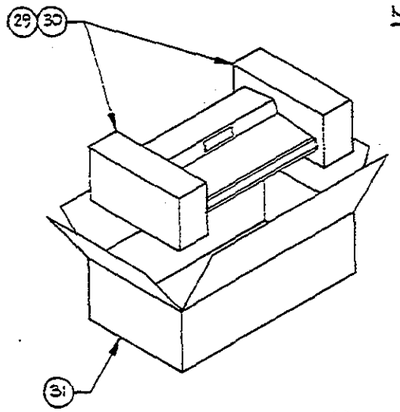
SCALE FULL 1/ASSY SHEET 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
00	NEW RELEASE ECN 5575	12/85	
01	ECN 5672 ITEM 19 WAS 28402D	4/86	DTK
02	ADDED NOTE 2 ECN 5666 VS	11/86	MK
03	ITEM 19 WAS 286252; QTY OF ITEM 25 WAS 4; QTY OF 36 WAS 10 ADDED NOTE 4 ECN 5686	12/86	MK
04	ECN 5442, ITEM 37 WAS 285022	2-5-87	MK 2-5-87
05	ADD ITEM 38 AND NOTE 5 ECN 5675 VS	3/87	MK









NOTES
1- L.C.D. FRAME EDGE TO BE FLUSH WITH TOP OF WINDOW WITHOUT BEING VISIBLE.
2- ADJUST DISPLAY BY LOOSENING MOUNTING SCREWS (ITEM 33) AND ADJUSTING FILLHD SCREWS (ITEM 35) TO GIVE DESIRED HEIGHT. INSURE DISPLAY IS PUSHED FORWARD BEFORE TIGHTENING MOUNTING SCREWS (ITEM 33).
REV 02: 3- REMOVE CLEAR BACKING PAPER FROM EXPOSED SURFACE OF FILTER BEFORE MOUNTING.
REV 05: 4- TORQUE ALL FASTENERS PER ENG. STD. EXCEPT TORQUE KEYPAD STUDS TO 2-3 IN/LBS.
REV 05: 5- SECURE HARNESS (ITEM 11) TO J6 WITH TAPE (ITEM 38).

NOTE: FOR OVERALL WIRING DIAGRAM SEE DWG. D7134AA.

QTY.	ITEM	PART NUMBER	DESCRIPTION
12"	36	310010	TAPE - TEFLON
14	37	285014	WASHER, FLAT #4
A	38		

QTY.	ITEM	PART NUMBER	DESCRIPTION
36			
4	35	284013	SCREW #4-40 x 3/16 FIL. HD.
1	34	P1152AA	OPERATORS MANUAL
4	33	284007	SCREW #4-40 x 1/2 BH
24"	32	410012	TAPE 3"
1	31	C7105AA	SHIPPING CARTON
LAB	30	160067	FOAM-IN-PLACE COMP. "B"
LTB	29	160066	FOAM-IN-PLACE COMP. "A"
1	28	B7100AA	LABEL - SERIAL NUMBER
4	27	284203	SCREW #4-40 x 3/16 BH
14	26	281501	HEX NUT #4-40
20	25	285007	LOCKWASHER #4
4	24	284204	SCREW #4-40 x 3/8 BH
5	23	285008	LOCKWASHER #6
6	22	286204	SCREW #6-32 x 3/8 BH
2	21	A7089AA	NUT - SPECIAL #4-40
8	20	285003	SPACER .047" NYLON
8	19	286270	SCREW #6-32 x 3/8 FH X/HTLOCK
A	18	B7064A	KEYBOARD DISPLAY ASSY.
4	17	140115	FOOT
2	16	280257	STANDOFF #6-32 M-F 1" LG
2	15	280238	STANDOFF #6-32 M-F 3/4" LG
2	14	280258	STANDOFF #6-32 M-F 1/2" LG
1	13	B7066A	DISPLAY HARNESS ASSY
	12		
1	11	B7065A	BACKLIGHT HARNESS ASSY.
1	10	B7067A	KEYBOARD HARNESS ASSY.
1	9	BG894AA	SUPPORT BRACKET R.H.
1	8	BG894BA	SUPPORT BRACKET L.H.
1	7	BG925AA	ADAPTER BLOCK R.H.
1	6	BG925BA	ADAPTER BLOCK L.H.
1	5	C7069A	MAIN CABLE ASSY. 10FT.
1	4	DG180A	P.C. BOARD ASSY.
1	3	DG928AA	KEYBOARD
1	2	DG921AA	BASEPLATE
1	1	DG920AA	HOUSING

CATALOG NO.	ASSY NO.	REV
2116AAX	D7102A	05

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MATERIAL	~
FINISH	~
NEXT ASSY	2116
USED ON	
APPLICATION	

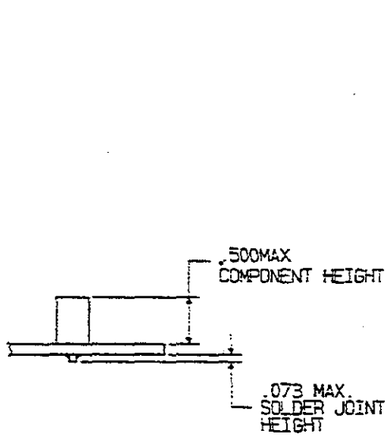
DRAWN B. SHOTWELL DATE 1-22-86
CHECKED DATE 2-3-86
ENGINEER M. Kisby DATE 2-7-86
APPROVED D.B. Bumbo DATE 4-4-86
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ± 0
2 PLACE DECIMALS ± ~
3 PLACE DECIMALS ± ~
ANGLES ± ~

CORNOMETRICS® MEDICAL SYSTEMS, INC.
BUFFALO INDUSTRIAL PARK WALLINGFORD, CONNECTICUT

TITLE 2116AAX KEYBOARD ASSEMBLY

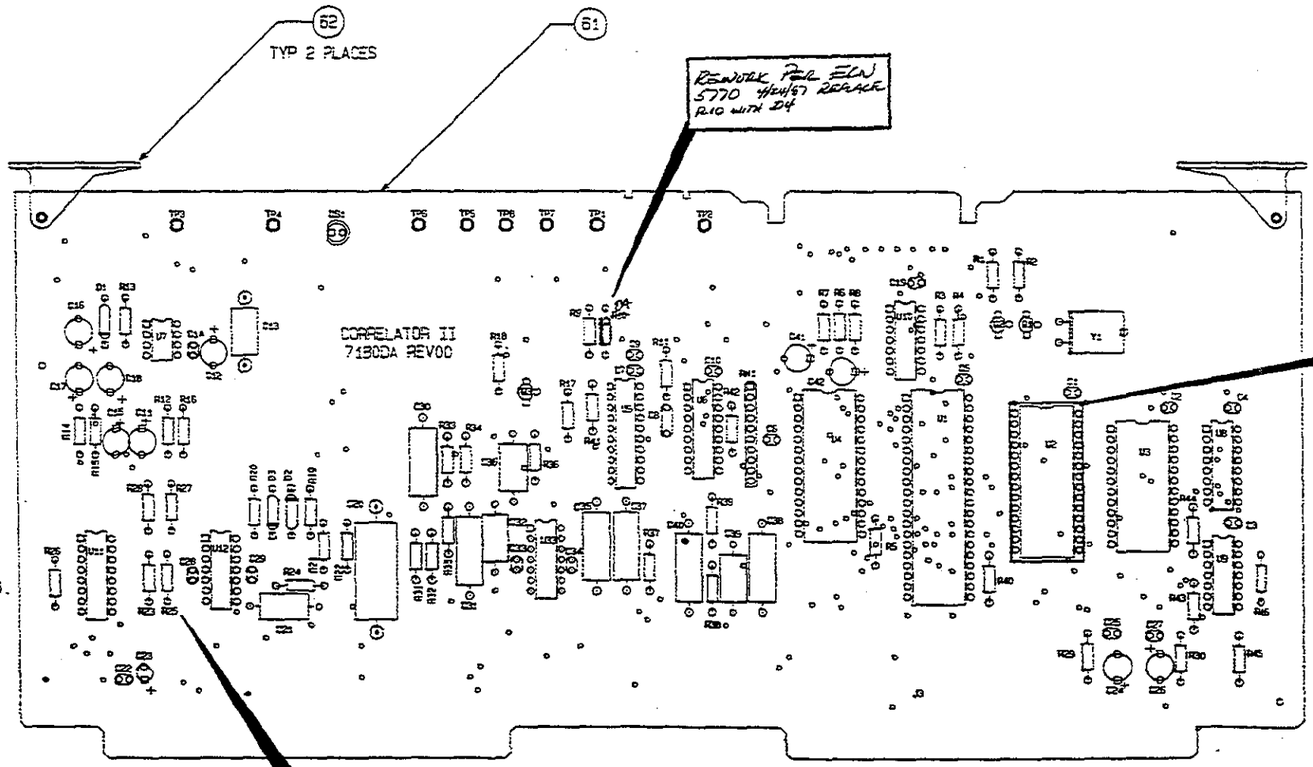
SIZE D | DRAWING NUMBER 7102A | REV 05
SCALE FULL | 1/ASSY | SHEET 1 OF 1

REV	ECO	DESCRIPTION	BY	DATE	CHKD	APP'D
02	5837	NEW	—	—	—	—
01	5770	SEE ECN	JCN	1-24-87		TW
00	5834	NEW 'B' ASSY	AM	1-6-87		MC



NOTES:

1- OBSERVE POLARITY AND ORIENTATION MARKINGS OF ALL COMPONENTS.
2- INSERT COMPONENTS FULLY INTO BOARD.
3- FOR SCHEMATIC DRAWING SEE 7180AC
4- STORE IN ANTISTATIC BAG P/N 410080 - NOT SHOWN.
5- FOR PARTS LIST SEE P/L 7180A


62
TYP 2 PLACES
61
REWORK PER ECN 5770 1/24/87 REPACK R10 WITH D4
CORRELATOR II
7180DA REV00
REWORK PER ECN 5770 1/24/87 ADD SOCKET TO U2
REWORK PER ECN 5834 6/15/107 CHG VALUE OF R25 FROM 100K TO 24.9K

REWORK DRAWING

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DO NOT SCALE - REFER TO DIMENSIONS SHOWN. REMOVE BURRS, BREAK SHARP EDGES & CORNERS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
FRACTIONS ± ___
2 PLACE DECIMALS ± .__
3 PLACE DECIMALS ± .___
ANGLES ± __°

NEXT ASSY | USED ON
115
APPLICATION

DRAWN	C. VERUA	DATE 1-6-87
ENGR		DATE 1/23/87
ENGR	M. Hall	DATE 1/24/87
APPROVED	T.W.	DATE 1/24/87

COROMETRICS® MEDICAL SYSTEMS, INC.
WALLINGFORD, CONNECTICUT

TITLE: ASSY P.C CORRELATOR II B.D.

MATERIAL	FINISH
X	X

SIZE	DRAWING NUMBER	REV
D	7180A8	G ~~F~~

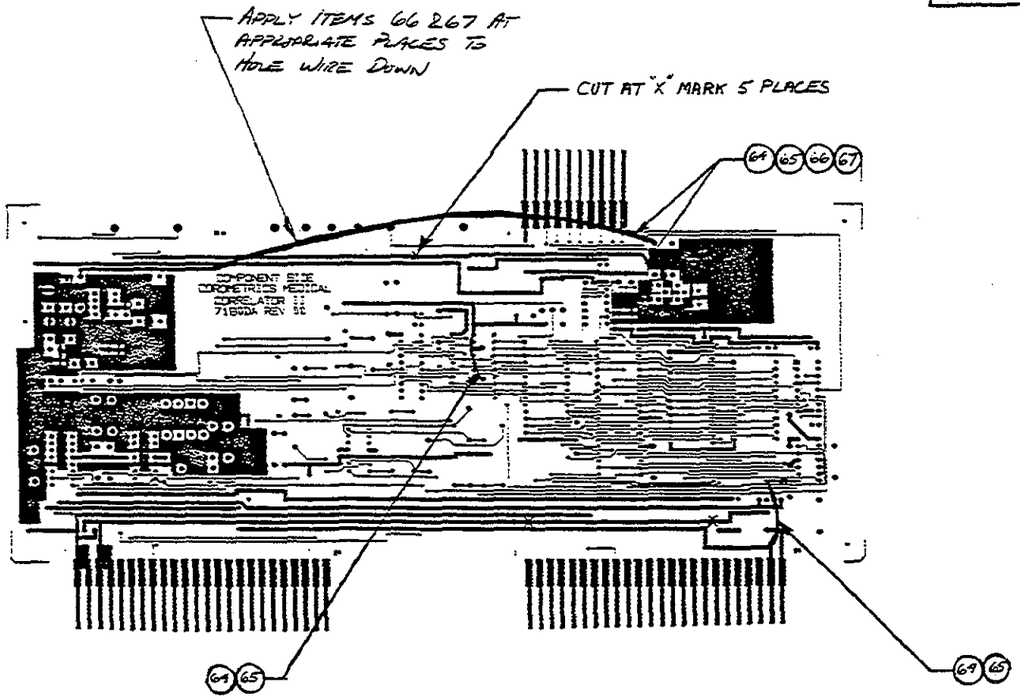
SCALE 1-5 SHEET 1 OF 2

REV	ECN	DESCRIPTION	APP'D	DATE	CHKD	APP'D

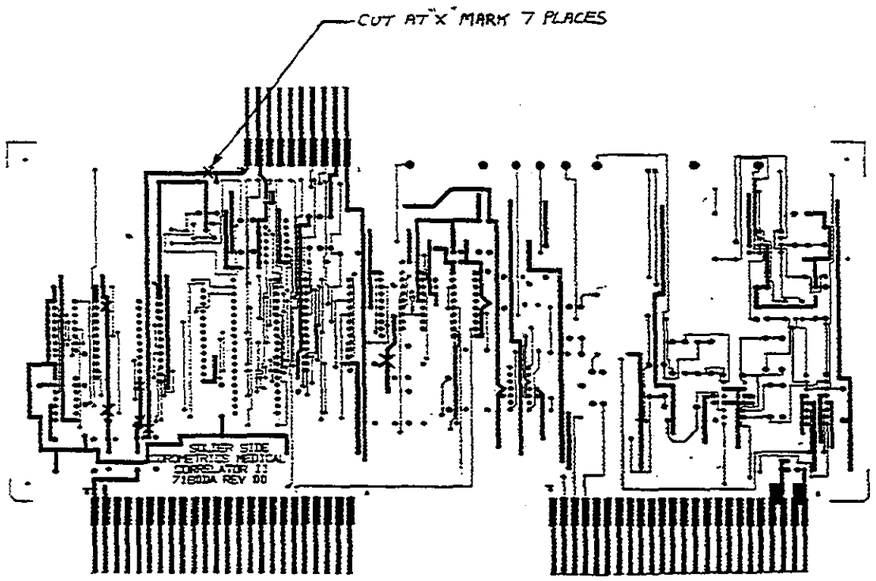
REWORK PERECN 5770
4/24/87 ADD JUMPERS & CUT TRACES AS SHOWN BELOW
REV RID, ADD C4 & CHK VALUE AT R9

APPLY ITEMS 66 & 67 AT APPROPRIATE PLACES TO HOLE WIRE DOWN

CUT AT "X" MARK 5 PLACES



CUT AT "X" MARK 7 PLACES



REWORK DRAWING

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DO NOT SCALE - REFER TO DIMENSIONS SHOWN. REQUIRE SURFACE, EDGES & CONTOURS	DRAWN C. VERNIA 2-16-87	COROMETRICS® MEDICAL SYSTEMS, INC.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CHECKED [signature] 4/14/87		
FRACTIONS ±	ENGR.	TITLE ASSY P.C. CORRELATOR II BD.	
2 PLACE DECIMALS ±	APPROVED	MATERIAL X	FINISH X
3 PLACE DECIMALS ±		SIZE D	DRAWING NUMBER 7180AB
ANGLES ±		SCALE 1:1	SHEET 2 OF 2
NEXT ASSY	USED ON		
APPLICATION			

CORVETTE SYSTEMS INC
MEDICAL SYSTEMS INC

TITLE 115
CORRELATOR BOARD II

7180B 04 ~~01~~ ~~03~~ 02

ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
1		150024	C8	CAP,100pf,5%,500V,MICA	1
2		151046	C21,32	CAP,0.01uf,100V,2%,MYLAR	2
3		151047	C30,35,37,38,40	CAP,0.1uf,100V,2%,MYLAR	5
4		151052	C36,39	CAP,0.033uf,100V,2%,MYLAR	2
5		151056	C31	CAP,0.082uf ,100V,2%,MYLAR	1
6		151062	C20	CAP,.33uf,2%,200V,FILM	1
7		151074	C13	CAP,.015uf,100V,10%,MYLAR	1
8		152015	C23	CAP,6.8uf,10%,20V,ELECTROLYTIC	1
9		152048	C17,18	CAP,68uf,10%,15V,ELECTOLYTIC	2
10		152073	C12	CAP,2.2uf,10%,20V,ELECTROLYTIC	1
11		152075	C16	CAP,10uf,10%,25V,ELECTROLYTIC	1
12		152102	C26,24,15,41,42	CAP,1.0uf,20%,35V,ELECTROLYTIC	5
13		154023	C22,28,29,33,34,43,45	CAP,.01uf,10%,50V,X7R,CERAMIC	7
14		154034	C1-7,9,10,14,19,25, CHG C27	CAP,.1uf,10%,50V,X7R,CERAMIC	12
15		216004	TP1-8	TERM,TUR,1/16RD,1/8 Dia., Large	8
16		230014	Y1	XTAL,6.0000 MHZ	1
17		390060	DS1	IND. LED RED,T1-3/4	1
18		471108	R31	RES,100K,CF,1/4W,5%	1
19		471109	44,45,46 R,12,23,27,40,43,	RES,10K,CF,1/4W,5%	8
20		471110	R29,30	RES,10 OHM,CF,1/4W,5%	2
21		472035	R20	RES,150K,1/8W,1%	1

REVISION				
01	PER ECN 5778 MW 6/16/67			
02	PER ECN 5966 JC 9/29/67			
03		ECN 5972 ADD ITEM 64 10-7-87 JA		
04			ECN 6102 2-10-88 JC	

REWORK P/L

REWORK PER ECN 5966
9/25/67 CHG TO AGREE W/ASSY

DRAWN	CHECKED	APPROVED	NEXT ASSY.	MODEL	PG 1 OF 1
A. Cella	9/29/67	9/29/67		115	

DYNAMETRICS MEDICAL SYSTEMS INC	TITLE 115 CORRELATOR BOARD II	7180B 04 05 07 08

ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
22		471113	R32	RES,1K,CF,1/4W,5%	1
23		471115	R18	RES,330 OHM,1/4W,5%	1
24		471127	R2,4	RES, 47 OHM,CF,1/4W,5%	2
25		471135	R11	RES,200K,1/4W,5%	1
26		471144	R,28	RES,56K,1/4W,5%	1
27		471151	R5-8	RES,5.6K,1/4W,5%	4
28		471173	R17,26	RES,3.3K,1/4W,5%	2
29		471182	R3,13,9	RES,150 OHM,1/4W,5%	3
30		471185	R1	RES,390 OHM,1/4W,5%	1
31		472027	R25	RES 24.9K 1/8W 1%	1
32		472014	R35	RES,1%,6.81K,1/8W	1
33		472018	R15,R19	RES,1%,10K,1/8W	2
34		472029	R24	RES,1%,40.2 K,1/8W	1
35		472030	R14	RES,1%,49.9K,1/8W	1
36		472042	R16,21	RES,1%,43.2K,1/8W	2
37		472061	R33	RES,1%,8.87K,1/8W	1
38		472064	R37,39	RES,1%,42.2K,1/8W	2
39		472106	R36,38	RES,1%,4.75K,1/8W	2
40		472145	R22	RES,1%,432K,1/8W	1
41		472221	R34	RES,1%,27.4K,1/8W	1
42		480021	D2,3	DIODE,1N914	2

REVISION

REWORK P/L

DRAWN	CHECKED	APPROVED	NEXT ASSY.	MODEL	PG.
A. Cella		12-31-84		115	2 OF 4

CORONET P/C MEDICAL SYSTEMS INC.	TITLE 115 CORRELATOR BOARD II	71808	04 05

ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
43		481001	D1	DIODE ZENER,1N758A	1
44		483005	Q1,2	XSTER,2N3906	2
45		484000	Q3	XSTER,SIL,2N3903	1
46		486474	U9	IC,74LS74N	1
47		486559	U5	IC,74LS374	1
48		486660	U11	IC,DG212CMOS	1
49		486665	U10	IC,74HCT/LS00,CMOS	1
50		487070	U33	IC LINEAR,TL074CN	1
51		487141	U7	IC,SL6270C	1
52		487553	U3	IC,2KX8,STATIC RAM,6116	1
53		487554	U6	IC,AD7574,CMOS,8-BIT,A/D	1
54		A7433A	U2	PREGRM IC ASSY	1
55		487577	U4	IC,Z8430B,MOS	1
56		486599	U8	IC,74F139	1
57		487576	U1	IC,Z8400B,MOS	1
58		471105	R41,42	RES,2.2K,CF,1/4W,5%	2
59		474007	RN1	RES,NETWORK,10K,10 PIN, 9 POS	1
60		152111	C11	CAP,3.3uf,10%,50 TANT	1
61		7180FA		P.C. BOARD	1
62		2801/7		EJECTOR CARD RED	2
63		PL 7431A		115 CORRELATOR II TEST SPEC	0

REVISION

REWORK P/L

DRAWN	CHECKED	APPROVED	NEXT ASSY.	MODEL	PG
A. Cella		12-31-86		115	PG 3OF 43

MEDICAL SYSTEMS INC

TITLE 115

CORRELATOR BOARD II

7180B 04 ~~03~~ ~~02~~

ITEM	DWG SIZE	PART NUMBER	REF DESIGNATION	DESCRIPTION	QTY
64	C	7180AB		BLOCK DIAGRAM	0
65					
66					
67		487162	U12	IC, OP-AMP, OP-400	1
68		481015	D4	DIODE, 1N9648	1
69		215004	U2	SOCKET, 28 PIN	1

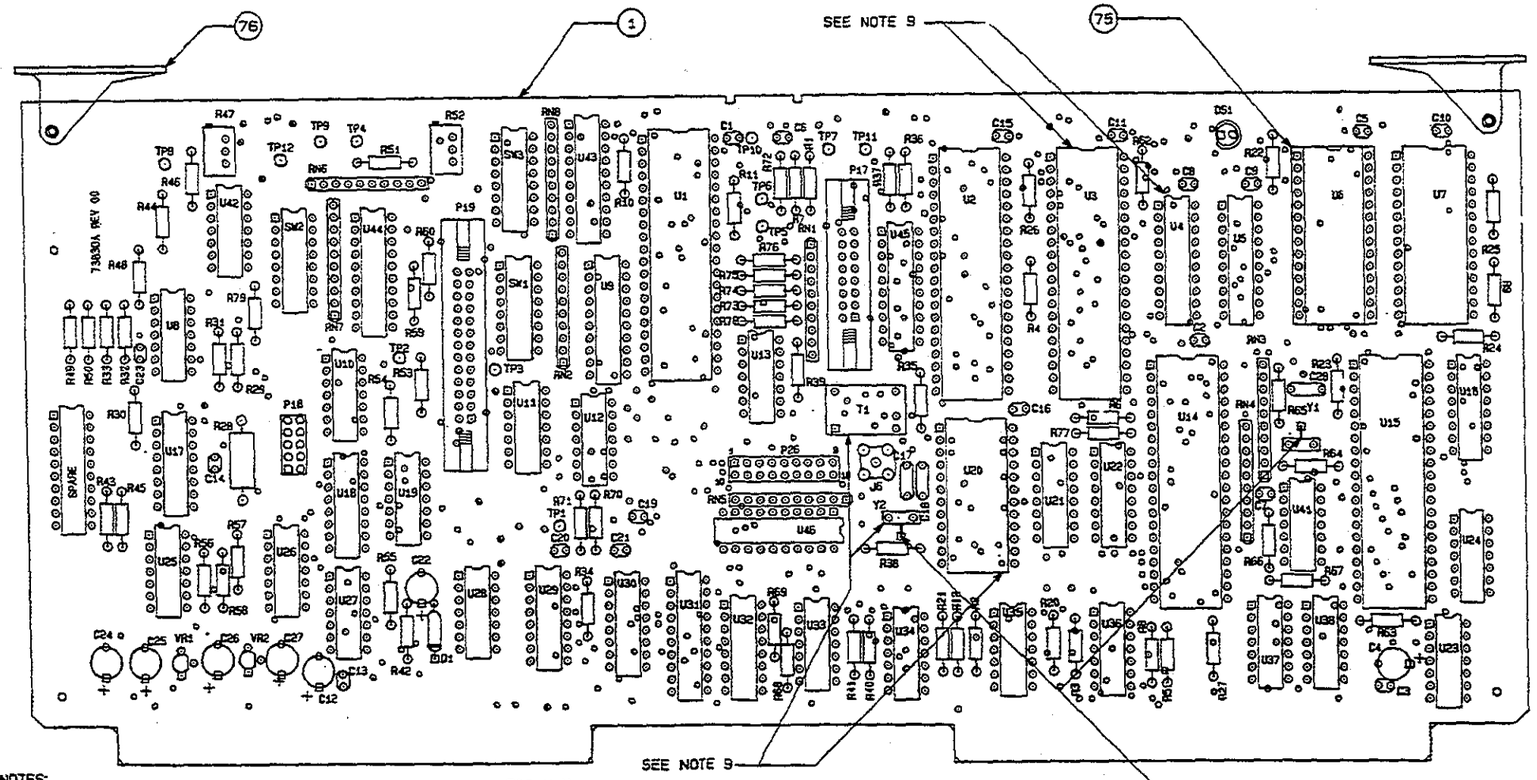
REVISION

REWORK P/L

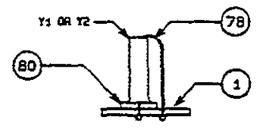
DRAWN	CHECKED	APPROVED	NEXT ASSY.	MODEL 115	PG 1 OF 4
A. Cella					

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
*	6411	NEW	CV	12/88	SAS	
*	6431	RELEASE 73838-0	MM	5/89	BS	

PART NO.	REV	DESCRIPTION
7383A	00	SINGLE CARDIOTACH WITH NETWORK COMMUNICATION
7383B	00	SINGLE CARDIOTACH WITHOUT NETWORK COMMUNICATION
7383C	00	DUAL CARDIOTACH WITH NETWORK COMMUNICATION
7383D	00	DUAL CARDIOTACH WITHOUT NETWORK COMMUNICATION



NOTES:
1-OBSERVE POLARITY AND ORIENTATION MARKINGS OF ALL COMPONENTS.
2-INSERT COMPONENTS FULLY INTO BOARD
3-FOR SCHEMATIC DRAWING SEE 7383ACSCCCDC
4-STORE IN ANTISTATIC BAG P/N 410080 - NOT SHOWN.
5-FOR PARTS LIST SEE P/L 7383TAB
6-REMOVE PIN 9 FROM P26.
7-REMOVE PIN 1 FROM P18.
8-SOLDER BUS WIRE ON Y1 AND Y2 SEE DETAIL A.
9-FOR B AND D ASSEMBLIES OMIT T1, Y2, U20, U3, U4 .



DETAIL A

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DO NOT SCALE - WORK TO DIMENSIONS SHOWN
REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS = X
2 PLACE DECIMALS = X
3 PLACE DECIMALS = X
ANGLES = X

NEXT ASSY: 115 | USED ON:
APPLICATION

DRAWN: CAM VERNA DATE 12/14/88
CHECKED: SUSAN A. STRONG DATE 12-14-88
ENGINEER: Bob Thurs DATE 12/21/88
APPROVED: Paul S. Miller DATE 12-21-88

MATERIAL: X
FINISH: X

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE: P.C. ASSY NETWORK RECORDER BD
SIZE: C | DRAWING NUMBER: 7383TAB | REV.: *
SCALE 1.25 | SHEET 1 OF 2

REV	ECN	DESCRIPTION	DWT	DATE	CHKD	APPD
–	–	SEE SHT 1	–	–	–	–

7383 SWITCH SETTINGS

SWITCH 1

MONITOR I.D. FOR RS-232

	MONITOR I.D.NO. 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
2	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF
3	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF
4	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
5	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

6 ON REQUEST
OFF UPDATE

7 ON NO PARITY
OFF PARITY

8 ON ODD PARITY
OFF EVEN PARITY

SWITCH 2

RS-232 SPEED

	BITS PER SECOND 9600	4800	2400	1200	300
1	ON	OFF	ON	OFF	ON
2	ON	ON	OFF	OFF	ON
3	ON	ON	ON	ON	OFF

SWITCH 3

		SINGLE CARDIOTACH					DUAL CARDIOTACH				
LANGUAGE	1	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON
	2	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	ON
	3	ON	ON	ON	ON	OFF	ON	ON	ON	ON	OFF
		ENGLISH	FRENCH*	GERMAN*	UNDEFINED	JAPANESE[1]	ENGLISH	FRENCH	GERMAN	SPANISH	JAPANESE

COMMUNICATIONS OPTIONS	4	ON	OFF	ON	OFF
	5	ON	ON	OFF	OFF
		NO COMMUNI-CATIONS	RS-232 COMMUNI-CATIONS	COROLAN COMMUNI-CATIONS	UNDEFINED

CHART SPEED 6 ON 1-2 CM/MIN
OFF 1-3 CM/MIN

CHART SCALE 7 ON 30-240 BPM
OFF 50-210 BPM

* VALID ONLY FOR 50-210 CHART SCALE

[1] VALID ONLY FOR 30-240 CHART SCALE

PART NO.	REV.
7383A	00
7383B	00
7383C	00
7383D	00

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DO NOT SCALE - WORK TO DIMENSIONS SHOWN
REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS = ±
2 PLACE DECIMALS = ±
3 PLACE DECIMALS = ±
ANGLES = ±

NEXT ASSY: 115 USED ON
APPLICATION

DRAWN S. A. STRONG DATE 1-17-89
CHECKED CAM VERNA DATE 1-17-89
ENGINEER [illegible] DATE 1-17-89
APPROVED [illegible] DATE 1-17-89

MATERIAL: X
FINISH: X

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE: P.C. BD. ASS'Y NETWORK RECORDER BD.

SIZE C | DRAWING NUMBER 7383TAB | REV. X
SCALE 1:1 | SHEET 2 OF 2

12-80

PART NO.	REV	DESCRIPTION
7383A	00	SINGLE CARDIOTACH WITH NETWORK COMMUNICATION
7383B	00	SINGLE CARDIOTACH WITHOUT NETWORK COMMUNICATION
7383C	00	DUAL CARDIOTACH WITH NETWORK COMMUNICATION
7383D	00	DUAL CARDIOTACH WITHOUT NETWORK COMMUNICATION

QTY				ITEM	REF. DESIG.	PART NO.	DESCRIPTION
D	C	B	A				
1	1	1	1	24	R40	471140	RES, 220 OHM,CF,¼W,5%
3	3	3	3	23	R56, 57, 58	471127	RES, 47 OHM,CF,¼W,5%
21	21	21	21	22	R3,4,5,6,7,10,11, 12,21,23,24,25	471126	RES, 4.7KCF,¼W,5%
					26,27,34,37,38, 39,62,72,63		
1	1	1	1	21	R60	471115	RES, 330 OHM,¼W,5%
7	7	7	7	20	R29, 35, 41, 43, 44, , 65, 67	471113	RES, 1K,CF,¼W,5%
1	1	1	1	19	R30	471120	RES, 100 OHM,CF,¼W,5%,TG
13	13	13	13	18	R73-79,9,8, R1,2,20,42	471109	RES, 10K,CF,¼W,5%
2	2	2	2	17	R31, R48	471108	RES, 100K,CF,¼W,5%
3	3	3	3	16	R33, R64, R66	471107	RES, 1.5K,CF,¼W,5%
1	1	1	1	15	R36	471105	RES, 2.2K,CF,¼W,5%
1	1	1	1	14	C28	150006	CAP, 20pf, 300V, 5%, MICA
1	1	1	1	13	DS1	390040	IND, LED, RED, T1-314
1	1	1	1	12	Y1	230014	XTAL, 6.0000MHz
-	1	-	1	11	Y2	230013	XTAL, 14.28192 MHz,
1	1	1	1	10	P19,	212810	HEADER, 2 x 13, STRGHT, W/EJECT, RIB
1	1	1	1	9	P17	212361	HEADER, 2 x 8, STRGHT, W/EJECT/RIB
1	1	1	1	8	P18	212009	HEADER, 2 x 5, .1 CTRS, STRGHT
18	18	18	18	7	C1, 2, 3, 5, 6, 8 10, 11, 13, 14,15	154034	CAP,0.1uf,50V,10%,CERAMIC
					7 16,19,20,21,23,9		
2	2	2	2	6	C25, 27	152102	CAP,1.0uf,35V,20%,TANT
1	1	1	1	5	C12	152076	CAP,15uf,20V,20%,TANT
3	3	3	3	4	C22, 24, 26	152075	CAP,10uf,25V,10%,TANT
1	1	1	1	3	C4	152048	CAP,68uf,15V,10%,TANT
2	2	2	2	2	C17, 18	150016	CAP,50pf,500V,5%,MICA
1	1	1	1	1		7383DA	P.C. BOARD FAB

REV.	ECN NO.	DATE BY	
*	NEW	12-21-88 SAS	
	6131	5-89 LM	

NEXT ASSY | USED ON | APPLICATION

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DRAWN CAM VERNA 12-88
CHECKED SUE STRONG 12-88
ENGINEER [illegible] 12/21/88
APPROVED [illegible] 12-21-88

COROMETRICS® MEDICAL SYSTEMS, INC.
WALLINGFORD CONNECTICUT

TITLE 115 NETWORK RECORDER BRD.

SIZE B | DRAWING NUMBER 7383TAB | REV *

SCALE | SHEET 1 of 4

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D	C	B	A	ITEM	REF. DESIG.	PART NO.	DESCRIPTION
QTY							
1	1	1	1	50	U37	486670	IC 74HCT/LS74A, CMOS
4	4	4	4	49	U10, 25, 36, 42	486669	IC 74HCT/LS32, CMOS
1	1	1	1	48	U12	486668	IC 74HCT/LS08, CMOS
3	3	3	3	47	U13, 23, 27	486667	IC, 74HCT/LS04, CMOS
1	1	1	1	46	U26	486666	IC 74HCT/LS02, CMOS
1	1	1	1	45	U34	486665	IC 74HCT/LS00, CMOS
1	1	1	1	44	U35	486601	IC, DIG, CMOS, MC, 14011
1	1	1	1	43	U18	486604	IC, CD, 4040, CMOS
1	1	1	1	42	U19	486603	IC, MC, 14024, CMOS
1	1	1	1	41	U38	486587	IC 74LS14
2	2	2	2	40	U24, 28	486472	IC 74LS10N
1	1	1	1	39	D1	480021	DIODE, 1N914
1	1	1	1	38	U33	487164	IC 14C88, CMOS
1	1	1	1	37	U11	487165	IC 14C89, CMOS
1	1	1	1	36	U7	487585	IC 6264 , CMOS
1	1	1	1	35	U41	486407	IC 7404
1	1	1	1	34	U32	486700	IC 74HCT/LS165
2	2	2	2	33	R47, 52	475022	POT, TRIM, 50K, SIDE, ADJ.
8	8	8	8	32	RN1-8	474005	NETWORK RES, 4.7K, 9 RES, 10 PIN, 2%
1	1	1	1	31	R50	472079	RES, 1%, 3.32K,1/8W
1	1	1	1	30	R28	471301	RES, 180 OHM, 1W,5%
3	3	3	3	29	R53,54,55	471183	RES, 22 OHM,¼W,5%
1	1	1	1	28	R59	471182	RES, 150 OHM,¼W,5%
1	1	1	1	27	R32	471173	RES, 3.3K,¼W,5%
2	2	2	2	26	R46, 51	471163	RES, 200 OHM, ¼W,5%
5	5	5	5	25	R22, R68-71	471149	RES, 470 OHM, ¼W,5%

LATEST REV.:

7383A-00
7383 B-00
7383 C-00
7383 D-00

DATE BY | ECN NO. | REV. | NEXT ASSY | USED ON | APPLICATION

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DRAWN CAM VERNA 12/88
CHECKED Sue Strong 12/88
ENGINEER Bert Thrane 12/13/88
APPROVED Paul Yale 12-21-88

COROMETRICS MEDICAL SYSTEMS, INC.
WALLINGFORD CONNECTICUT

TITLE 115 NETWORK RECORDER BRD.

SIZE B | DRAWING NUMBER 7383TAB | REV *

SCALE | SHEET 1 OF 4

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QTY				ITEM	REF. DESIG.	PART NO.	DESCRIPTION
D	C	B	A				
1	1	-	-	63	U6	7886A	I.C. PREPROGRAMMED
1	1	1	1	75	U6	215004	28 PIN SOCKET
1	1	1	1	74	U46	486538	IC 74LS541
1	1	1	1	73	P26	212405	HEADER 2x9 STRGHT
1	1	1	1	72	J6	211140	CONN. COAX SMB RECEPTACLE
-	1	-	1	71	T1	560006	TRANSFORMER PE5156
12	12	12	12	70	TP1-12	216062	TEST POINT - LOOP TYPE
1	1	1	1	69	R45	471174	RES 2.4M, ¼W, 5%
1	1	1	1	68	U2	487629	IC 85C30, CMOS
-	1	-	1	67	U3	487628	IC 82C37A-5, CMOS
-	1	-	1	66	U20	487627	IC 7960
1	1	1	1	65	U16	486701	IC 74HCT/LS257
3	3	3	3	64	SW1, 2, 3	514021	SWITCH, DIP, 8 POS
-	-	1	1	63	U6	7885A	I.C. PREPROGRAMMED
1	1	1	1	62	U1	487567	IC 8155 MOS
1	1	1	1	61	U17	487526	IC, MOS, LSI/SAA1027
1	1	1	1	60	U15	487520	IC, MOS, LSI/8085
1	1	1	1	59	U14	487509	IC 8255
1	1	1	1	58	VR2	487136	IC, 79L12
1	1	1	1	57	VR1	487105	IC, 78L12
1	1	1	1	56	U8	487038	IC, LIN, LM339
-	2	-	2	55	U5, 4	486680	IC, 74HCT/LS373, CMOS
1	1	1	1	54	U31	486679	IC, 74HCT/LS/273, CMOS
4	4	4	4	53	U9, 44, 43,45	486677	IC, 74HCT/LS244, CMOS
2	2	2	2	52	U29, 30	486674	IC 74HCT/LS163A, CMOS
2	2	2	2	51	U21, 22	486672	IC 74HCT/LS138, CMOS

LATEST REV.:
7383 A-00
7383 B-00
7383 C-00
7383 D-00

DATE BY
ECO NO.
REV.
NEXT ASSY USED ON
APPLICATION

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DRAWN Tom Verna 12/88
CHECKED Sue Shong 12/88
ENGINEER [illegible] 12/21/88
APPROVED [illegible] 12-21-88

COROMETRICS® MEDICAL SYSTEMS, INC.
WALLINGFORD CONNECTICUT

TITLE 115
NETWORK RECORDER BRD.

SIZE B | DRAWING NUMBER 7383-TAB | REV *
SCALE | SHEET 3 of 4

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QTY				ITEM	REF. DESIG.	PART NO.	DESCRIPTION
D	C	B	A				
1	2	1	2	80	Y1, Y2	215058	XTAL, SPACER
1	1	1	1	79	R49	472006	RES, 1K, 1/8W, 1%
1"	2"	1"	2"	78	Y1, Y2	606406	#26 BUS WIRE
3	3	3	3	77	SW1,2,3	514022	COVER, 8 POS. DIP SWITCH
2	2	2	2	76		280177	CARD EJECTORS, RED
1	-	1	-	55	U5	486680	IC, 74HCT/LS373, CMOS

LATEST REV.:
7383 A-00
7383 B-00
7383 C-00
7383 D-00

DATE BY | ECN NO. | REV. | NEXT ASSY | USED ON | APPLICATION

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DRAWN Cam Verna DATE 12/88
CHECKED Susan Stone DATE 12/88
ENGINEER Bob [illegible] DATE 12/13/88
APPROVED Paul Fuller DATE 12-21-88

COROMETRICS® MEDICAL SYSTEMS, INC.

TITLE 115 NETWORK RECORDER BRD.

SIZE B | DRAWING NUMBER 7383 TAB | REV. *

SCALE | SHEET 4 of 4

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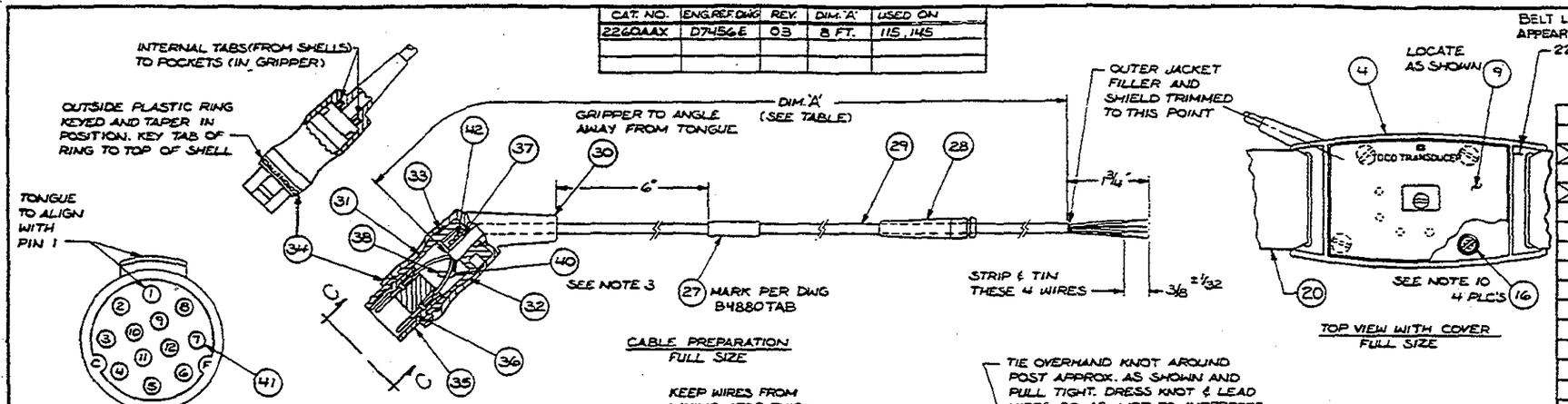
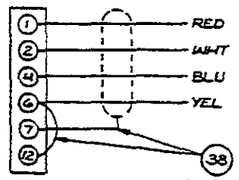
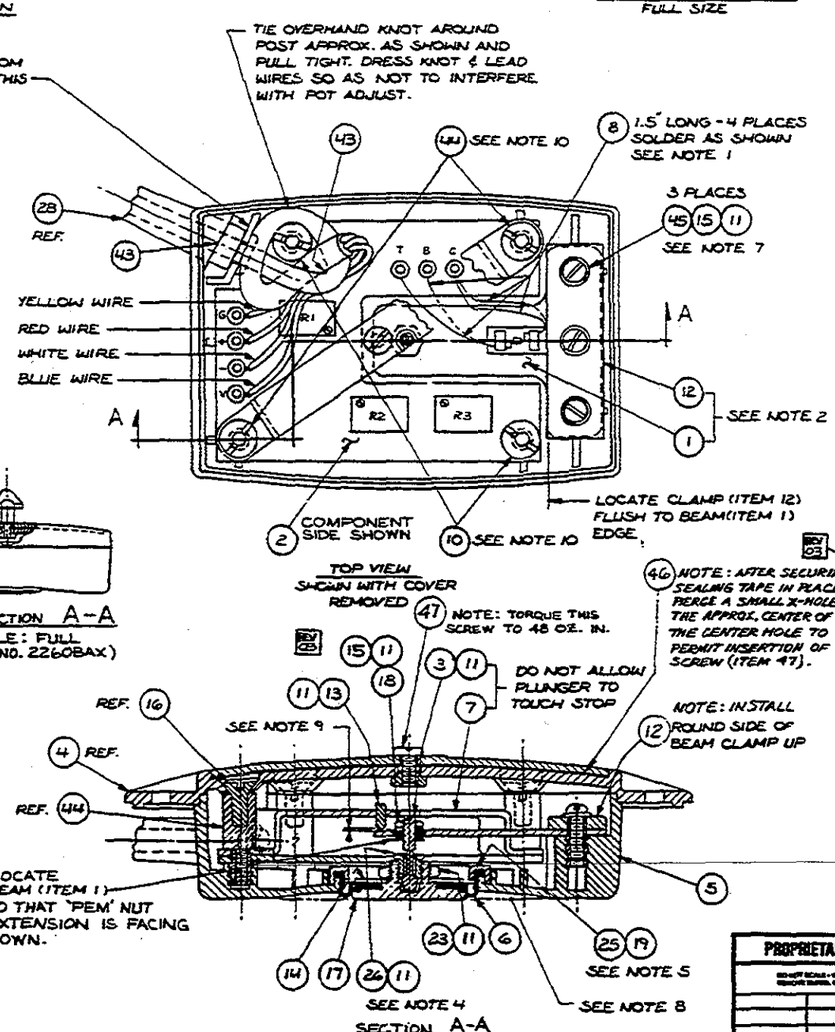
CAT. NO.	ENG. REF. DWG	REV.	DIM. 'A'	USED ON
2260AAX	D7456E	03	8 FT.	115, 145

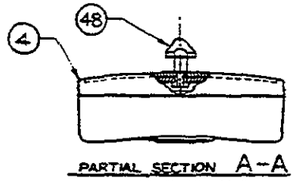

INTERNAL TABS (FROM SHELLS) TO POCKETS (IN GRIPPER)
OUTSIDE PLASTIC RING KEYED AND TAPER IN POSITION. KEY TAB OF RING TO TOP OF SHELL
TONGUE TO ALIGN WITH PIN 1
GRIPPER TO ANGLE AWAY FROM TONGUE.
DIM. 'A' (SEE TABLE)
6"
SEE NOTE 3
27 MARK PER DWG B4880TAB
OUTER JACKET FILLER AND SHIELD TRIMMED TO THIS POINT
3 1/4"
STRIP & TIN THESE 4 WIRES
3/8 ±1/32
C
C
VIEW C-C
SCALE: NONE
CABLE PREPARATION
FULL SIZE
BELT LOOPS DO NOT APPEAR ON CAT. NO. 2260BAX
LOCATE AS SHOWN
SEE NOTE 10
4 PLC'S
TOP VIEW WITH COVER
FULL SIZE

WIRE COLOR	PIN NO	USED ON
RED	1	+ PRESSURE
WHT	2	- PRESSURE
BLU	4	EXCITATION
YEL	6	EXCITATION REFERENCE
	7	CHASSIS GROUND (SHIELD)
	12	TOCO JUMPER FROM 12 TO 6



WIRING DIAGRAM


KEEP WIRES FROM LAYING ATOP THIS RIB
TIE OVERHAND KNOT AROUND POST APPROX. AS SHOWN AND PULL TIGHT. DRESS KNOT & LEAD WIRES SO AS NOT TO INTERFERE WITH POT ADJUST.
SEE NOTE 10
1.5" LONG - 4 PLACES SOLDER AS SHOWN SEE NOTE 1
3 PLACES
SEE NOTE 7
28 REF.
YELLOW WIRE
RED WIRE
WHITE WIRE
BLUE WIRE
SEE NOTE 2
COMPONENT SIDE SHOWN
SEE NOTE 10
LOCATE CLAMP (ITEM 12) FLUSH TO BEAM (ITEM 1) EDGE.
TOP VIEW SHOWN WITH COVER REMOVED
47 NOTE: TORQUE THIS SCREW TO 48 OZ. IN.
DO NOT ALLOW PLUNGER TO TOUCH STOP
NOTE: INSTALL ROUND SIDE OF BEAM CLAMP UP
46 NOTE: AFTER SECURING SEALING TAPE IN PLACE, PIERCE A SMALL X-HOLE AT THE APPROX. CENTER OF THE CENTER HOLE TO PERMIT INSERTION OF SCREW (ITEM 47).
SEE NOTE 9
REF. 16
4 REF.
REF. 14
LOCATE BEAM (ITEM 1) SO THAT 'PEM' NUT EXTENSION IS FACING DOWN.
SEE NOTE 4
SEE NOTE 5
SEE NOTE 8
SECTION A-A



NOTES:

1. SOLDER LEADS FROM STRAIN GAUGE SOLDER TABS AS SHOWN. DOTTED LINES INDICATE TWO LEADS COMING FROM BOTTOM OF BEAM (ITEM 1). LAY EXCESS LEAD MATERIAL SO THAT IT DOES NOT INTERFERE WITH OTHER COMPONENTS OR THE MOUNTING OF THE TOCO TOP.
2. DO NOT PERMIT BEAM CLAMP (ITEM 12) TO REST ON TOP OF ANY PORTION OF THE GAGE PAD, CONTACTS, OR LEAD WIRES (ITEM 8)
3. BRAID CONN. 3/16 +1/8 LONG EXTENDING FROM CABLE JACKET TOWARD CONNECTOR, COVER SOLDER JOINT WITH SHRINK TUBING (ITEM 40) 3/8 LONG.
4. SCREW IN BALL KEEPER (ITEM 26) TO JUST ENGAGE PLUNGER (ITEM 3), THEN BACK OFF 1/4 TURN. SECURE WITH GLYPTAL.
5. SOLVENT BOND (ITEM 19) RETAINING RING (ITEM 25) TO CASE BOTTOM (ITEM 5). DO NOT ALLOW SOLVENT ON ANY OUTSIDE SURFACE.
6. TIGHTEN NUT (ITEM 23) TO 28-30 OZ-IN. TORQUE. GLYPTAL (ITEM 11) IN PLACE.
7. LOOSEN SCREWS ENOUGH TO MOVE BEAM, BUT NOT FLOPPY. WITH PLUNGER THREADED THRU BEAM, ALIGN BUTTON & PLUNGER IN A FIXTURE TO HAVE PLUNGER VERTICAL IN BOTH DIRECTIONS, THEN SECURE BEAM SCREWS (ITEM 45). TORQUE SCREWS TO 40 OZ-IN. SECURE WITH GLYPTAL.
8. ADJUST PLUNGER (ITEM 3) SO THAT THE FACE OF THE BUTTON (ITEM 14) IS FLUSH TO THE RESTING SURFACE OF BASE (ITEM 5). WITHIN ±.010. MAINTAIN THAT ADJUSTMENT AND SECURE NUT (ITEM 18). READJUST IF NECESSARY AFTER TIGHTENING NUT. TORQUE NUT (ITEM 18) TO 30 OZ. IN. GLYPTAL PLUNGER, NUT AND BEAM. REV 05 ±.005
9. ADJUST SCREW (ITEM 45) FOR .030 CLEARANCE TO TOP OF BEAM. GLYPTAL IN PLACE.
10. TORQUE POSTS TO 60 OZ.-IN. AND COVER SCREWS TO 50 OZ.- IN.
11. ADJUST OFFSET AND GAIN POTS WITH COVER IN PLACE AND SCREWS TORQUED PER NOTE 10. AFTER ADJUSTMENT, GLYPTAL POTS.
12. SEE SPEC. CES-198 FOR CALIBRATION & THERMAL STABILIZATION PROCEDURE.

REV	ECN	DESCRIPTION	QTY	DATE	CHKD	APPD
*	5922	REVISED & REDRAWN	JC	8/25/87	BS	
*	5978	SEE ECN	JA	10/21/87	BS	
*	6019	NEW 'E' & 'F'	R.B.	7/6/88	BS	
*	6072	NEW "2260 BAX"	J.A.	1-7-88	BS	
*	6130	SEE ECN	JA.	3-7-88	BS	

		ITEM	REF. DESIG.	PART NO.	DESCRIPTION
		48		B7529BA	KNOB TOP
		21	NOT SHOWN	A4801EA	LABEL
		4		B7609A	TOP ASSY.
	1	47		284047	SCR, #4-40 x 1/4 P.H. - BLK. OX.
	1	46		C7730AA	SEALING TAPE
	3	45		281203	SCREW, #2-56 x 5/16 LG. BHMS
	2	44		A6034BA	SPACER, POST
	0	43		160034	LOCTITE #414
	2	42		210182	SCREW M 2.6 X 10
	1	41		210226	CONTACT, MALE, 1.8 mm LG.
	.083	40		608028	SHRINK TUBING 1/8 DIA.
	25'	38		605105	WIRE #24 GRN
	1	37		210181	CLAMP (3-5 mm)
	11	36		210227	CONTACT, MALE, 16.5 mm
	1	35		212135	HOUSING PIN C-F
	1	34		210178	PLASTIC RING
	1	33		210176	RING
	1	32		210180	HALF SHELL W/CLAMP 3-5mm
	1	31		210179	HALF SHELL W/TONGUE
	1	30		210183	GRIPPER (3-5 mm)
	.4417	29		A5927BA	CABLE 4 COND. SHIELDED
		28		B5993BA	BEND RELIEF BUSHING
		27		608109	SLEEVE MARKER 1/4"
		26		C7598BA	BALL KEEPER
		25		B7443AA	RETAINING RING
		24	NOT SHOWN	B6389BA	INSTRUCTION SHEET
		23		281543	NUT, 5/16"-32 UNXF
		22	NOT SHOWN	410112	AIRCAP BAG
		21	NOT SHOWN	A4801CA	LABEL
	1	21	NOT SHOWN	A4801BA	LABEL
	1	20		C7514AA	ABDOMINAL STRAP-GRAY
	0	19		160007	YC-1 SOLVENT
	1	18		281515	NUT, HEX #2-56
	1	17		C7597BA	BUTTON
	4	16		286266	SCREW #6-32 x 3/16 LG FLAT HD.
	4	15		285005	L'WASHER #2 INT. TOOTH
	1	14		C7579BA	WASHER
	1	13		281238	SCREW, #2-56 x 1/8 ALLEN SET
	1	12		B7419BA	CLAMP-BEAM
	0	11		160022	GLYPTAL
	2	10		A6034AA	SPACER POST
	1	9		D5992EA	NAMEPLATE
	.50	8		605402	#34 MAGNET WIRE
	1	7		C7418AA	STOP, BEAM LIMIT
	1	6		C7438AA	DIAPHRAGM - SEAL
	1	5		C7689A	BASE ASSY.
	1	4		B7737A	TOP ASSEMBLY
	1	3		C7441AA	PLUNGER
	1	2		C5794C	TOCO BOARD ASS'Y
	1	1		B2270BA	BEAM
	QTY	ITEM	REF. DESIG.	PART NO.	DESCRIPTION

*	6279	CHG. NOTE 8, ITEM 15 QTY. WAS 3	J.A	10/25/88 BS
*	6139	"E" (ONLY) ITEM 9 WAS D5992CA	J.A.	6/15/88 BS

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DRAWN	Y. Gadola	4-14-87
ENGINEER	B. Swotwell	5-25-87
QUALITY		5-27-87
MANUFACTURING		5-28-87

CORNMETRICS™ MEDICAL SYSTEMS, INC.

TITLE: CAT. NO. 2260AAX TOCOTRANSDUCER

MATERIAL	FINISH	SIZE	DRAWING NUMBER	REV.
NJ	NJ	D	7456TAB	*

SCALE 2X SHEET 1 OF 3

SEE TABLE
NEXT ASSY | USED ON
APPLICATION

CAT. NO.	ENG. REF. DWG	REV.	DIM. 'A'	USED ON
2260LAX	D7456F	02	10 FT.	115, 145
2260BAX	D7456H	02	8 FT.	115, 145

INTERNAL TABS (FROM SHELLS) TO POCKETS (IN GRIPPER)

OUTSIDE PLASTIC RING KEYED AND TAPER IN POSITION. KEY TAB OF RING TO TOP OF SHELL

TONGUE TO ALIGN WITH PIN 1

VIEW C-C
SCALE: NONE

GRIPPER TO ANGLE AWAY FROM TONGUE

DIM. 'A' (SEE TABLE)

6"

SEE NOTE 3

27 MARK PER DWG B4880TAB

OUTER JACKET FILLER AND SHIELD TRIMMED TO THIS POINT

1 3/4"

STRIP & TIN THESE 4 WIRES

3/8 ±1/32

CABLE PREPARATION
FULL SIZE

BELT LOOPS DO NOT APPEAR ON CAT. NO. 2260BAX

LOCATE AS SHOWN

TOCO TRANSDUCER

SEE NOTE 10 4 PLCS

TOP VIEW WITH COVER
FULL SIZE

WIRE COLOR	PIN NO.	USED ON
RED	1	+ PRESSURE
WHT	2	- PRESSURE
BLU	4	EXCITATION
YEL	6	EXCITATION REFERENCE
	7	CHASSIS GROUND (SHIELD)
	12	TOCOJUMPER FROM 2704

RED
WHT
BLU
YEL

WIRING DIAGRAM

KEEP WIRES FROM LAYING ATOP THIS RIB

TIE OVERHAND KNOT AROUND POST APPROX. AS SHOWN AND PULL TIGHT. DRESS KNOT & LEAD WIRES SO AS NOT TO INTERFERE WITH POT ADJUST.

1.5" LONG - 4 PLACES SOLDER AS SHOWN SEE NOTE 1

3 PLACES

SEE NOTE 7

SEE NOTE 10

REF.

YELLOW WIRE
RED WIRE
WHITE WIRE
BLUE WIRE

SEE NOTE 2

LOCATE CLAMP (ITEM 12) FLUSH TO BEAM (ITEM 1) EDGE

COMPONENT SIDE SHOWN

SEE NOTE 10

TOP VIEW SHOWN WITH COVER REMOVED

NOTE: TORQUE THIS SCREW TO 48 OZ. IN.

DO NOT ALLOW PLUNGER TO TOUCH STOP

NOTE: AFTER SECURING SEALING TAPE IN PLACE, PIERCE A SMALL X-HOLE AT THE APPROX. CENTER OF THE CENTER HOLE TO PERMIT INSERTION OF SCREW (ITEM 47).

NOTE: INSTALL ROUND SIDE OF BEAM CLAMP UP

REF.

SEE NOTE 9

LOCATE BEAM (ITEM 1) SO THAT 'PEM' NUT EXTENSION IS FACING DOWN.

SEE NOTE 4

SEE NOTE 5

SEE NOTE 8

SECTION A-A

PARTIAL SECTION A-A
SCALE: FULL
(CAT. NO. 2260BAX)

NOTES:

1. SOLDER LEADS FROM STRAIN GAUGE SOLDER TABS AS-SHOWN. DOTTED LINES INDICATE TWO LEADS COMING FROM BOTTOM OF BEAM (ITEM 1). LAY EXCESS LEAD MATERIAL SO THAT IT DOES NOT INTERFERE WITH OTHER COMPONENTS OR THE MOUNTING OF THE TOCO TOP.
2. DO NOT PERMIT BEAM CLAMP (ITEM 12) TO REST ON TOP OF ANY PORTION OF THE GAGE PAD, CONTACTS, OR LEAD WIRES (ITEM 8).
3. BRAID CONN. 3/16 +1/8 LONG EXTENDING FROM CABLE JACKET TOWARD CONNECTOR, COVER SOLDER JOINT WITH SHRINK TUBING (ITEM 40) 3/8 LONG.
4. SCREW IN BALL KEEPER (ITEM 26) TO JUST ENGAGE PLUNGER (ITEM 3), THEN BACK OFF 1/4 TURN. SECURE WITH GLYPTAL.
5. SOLVENT BOND (ITEM 19) RETAINING RING (ITEM 25) TO CASE BOTTOM (ITEM 5). DO NOT ALLOW SOLVENT ON ANY OUTSIDE SURFACE.
6. TIGHTEN NUT (ITEM 23) TO 28-30 OZ-IN. TORQUE. GLYPTAL (ITEM 11) IN PLACE.
7. LOOSEN SCREWS ENOUGH TO MOVE BEAM, BUT NOT FLOPPY. WITH PLUNGER THREADED THRU BEAM, ALIGN BUTTON & PLUNGER IN A FIXTURE TO HAVE PLUNGER VERTICAL IN BOTH DIRECTIONS, THEN SECURE BEAM SCREWS (ITEM 45). TORQUE SCREWS TO 40 OZ-IN. SECURE WITH GLYPTAL.
8. ADJUST PLUNGER (ITEM 3) SO THAT THE FACE OF THE BUTTON (ITEM 14) IS FLUSH TO THE RESTING SURFACE OF BASE (ITEM 5). WITHIN ±.010. MAINTAIN THAT ADJUSTMENT AND SECURE NUT (ITEM 18). READJUST IF NECESSARY AFTER TIGHTENING NUT. TORQUE NUT (ITEM 18) TO 30 OZ. IN. GLYPTAL PLUNGER, NUT & BEAM. ±.005
9. ADJUST SCREW (ITEM 45) FOR .030 CLEARANCE TO TOP OF BEAM. GLYPTAL IN PLACE.
10. TORQUE POSTS TO 60 OZ.-IN. AND COVER SCREWS TO 50 OZ.-IN.
11. ADJUST OFFSET AND GAIN POTS WITH COVER IN PLACE AND SCREWS TORQUED PER NOTE 10. AFTER ADJUSTMENT, GLYPTAL POTS.
12. SEE SPEC CES-198 FOR CALIBRATION & THERMAL STABILIZATION PROCEDURE.

DWG	ECN	DESCRIPTION	BY	DATE	CHKD	APVD
*	5122	REVISED & REDRAWN	JC	[illegible]	BS	
*	5178	SEE ECN	JA	[illegible]	BT	
*	6014	NEW 2 & 7	R.S.	7/16/85	BS	
*	6072	NEW "2260 BAX"	JA	7-26-85	BS	
*	6130	SEE ECN	JA	9-3-85	BS	

ITEM	REF. DESIG.	PART NO.	DESCRIPTION	QTY
1		87529BA	KNOB TOP	1
21	NOT SHOWN	A4801EA	LABEL	1
4		B7609A	TOP ASSY.	1
47		284047	SCR, #4-40 x 1/4 P.H. - BLK. OX.	1
46		C7730AA	SEALING TAPE	1
45		281203	SCREW, #2-56 x 5/16 LG. BHMS	3
44		A6034BA	SPACER, POST	2
43		160034	LOCTITE #414	0
42		210182	SCREW M 2.6 X 10	2
41		210226	CONTACT, MALE, .18 mm LG.	1
40		608028	SHRINK TUBING 1/8 DIA.	.083
38		605105	WIRE #24 GRN	25
37		210181	CLAMP (3-5 mm)	1
36		210227	CONTACT, MALE, 16.5 mm	11
35		212155	HOUSING PIN C-F	1
34		210178	PLASTIC RING	1
33		210176	RING	1
32		210180	HALF SHELL W/CLAMP 3-5mm	1
31		210179	HALF SHELL W/TONGUE	1
30		210185	GRIPPER (3-5 mm)	1
29		A5927BA	CABLE 4 COND. SHIELDED	8.47
28		B5993BA	BEND RELIEF BUSHING	1
27		608109	SLEEVE MARKER 4½"	1
26		C7598BA	BALL KEEPER	1
25	A	B7443AA	RETAINING RING	1
24	NOT SHOWN	B4369BA	INSTRUCTION SHEET	1
23		281843	NUT, 6/16"-32 UNDF	1
22	NOT SHOWN	410112	AIRCAP BAG	1
21	NOT SHOWN	A4801BA	LABEL	1
21	NOT SHOWN	A4801BA	LABEL	1
20		C7514AA	ABDOMINAL STRAP-GRAY	1
19		600007	YC-1 SOLVENT	0
18		281515	NUT, HEX #2-56	1
17		C7597BA	BUTTON	1
16		284266	SCREW #6-32 x 3/8 LG FLAT HD.	4
15		285008	L'WASHER #2 INT. TOOTH	4
14		C7579BA	WASHER	1
13		281238	SCREW, #2-56 x 1/16 ALLEN SET	1
12		B7419BA	CLAMP-BEAM	1
11		160022	GLYPTAL	0
10		A6034AA	SPACER POST	2
9		C5992DA	NAMEPLATE	1
9		D5992FA	NAMEPLATE	1
8		608402	#34 MAGNET WIRE	50
7		C7418AA	STOP, BEAM LIMIT	1
6		C7438AA	DIAPHRAGM-SEAL	1
5		C7689A	BASE ASSY.	1
4		B7737A	TOP, ASSEMBLY	1
3		C7444AA	PLUNGER	1
2		C5794C	TOCO BOARD ASS'Y	1
1		8227084	BEAM	1

* 6279 CHG. NOTE 8, ITEM 15 QTY. WAS 3 J.A. 8/[illegible]/85

PROPRIETARY & CONFIDENTIAL

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CORNETECH® MEDICAL SYSTEMS, INC.

TITLE: CAT. NO. 2260BAX/2260LAX TOCOTRANSDUCER

SIZE D | DRAWING NUMBER 7456TAB | REV *

SCALE 2X | SHEET 2 OF 3

MATERIAL: [illegible] | FINISH: [illegible]

SEE TABLE — NEXT ASSY | USED ON — APPLICATION

CAT. NO.	ENGINEERING	REV.	DIM. "A"	USED ON	NEXT ASSY
2260DAX	D74546	02	5 FT.	115	PL78A2A
2260DAX	D74546J	02	5 FT.	115	PL78A2A

BELT LOOPS DO NOT APPEAR ON CAT. NO. 2260DAX

*	4419	CAT. NO. 2260DAX & 2260DAX-NEW	KS	3/84	BB	32	
*	4439	CHG ITEM 9 ON "E"	KS	3/84	BB		
*	4214	ITEM 29 QTY. WAS 3.333"	J.A.	4/84	BB	26	
*	4279	CHG. NOTE 8, ITEM 15 QTY. WAS 3	J.A.	4/84	BB		

QTY			ITEM	REV. CHANGE	PART NO.	DESCRIPTION
	1	X	48		B7529BA	KNOB, TOP
	1	1	47		284047	SCR, ⁴⁄₄₀ x ³⁄₄ P.H. - BLK. OX.
	1	1	46		C7730AA	SEALING TAPE
	3	3	45		281203	SCREW, 2-56 x 5/16 LG. BHMS
	2	2	44		A60348A	SPACER, POST
	0	0	43		400034	LOCTITE #414
	2	2	42		210182	SCREW M 2.6 X 10
	1	1	41		210226	CONTACT, MALE, 18 mm LG.
	.063	.063	40		608028	SHRINK TUBING 1/8 DIA.
	1	X	4		B7409A	TOP & NUT ASSY
	25"	25"	38		605103	WIRE #24 GRN
	1	1	37		210181	CLAMP (3-5 mm)
	11	11	36		210227	CONTACT, MALE, 16.5 mm
	1	1	35		212135	HOUSING PIN C-F
	1	1	34		210178	PLASTIC RING
	1	1	33		210176	RING
	1	1	32		210180	HALF SHELL W/CLAMP 3-5mm
	1	1	31		210179	HALF SHELL W/TONGUE
	1	1	30		210185	GRIPPER (3-5 mm)
	5.833	5.833	29		A5927BA	CABLE 4 COND. SHIELDED
	1	1	28		B5995BA	BEND RELIEF BUSHING
	1	1	27		608109	SLEEVE MARKER ¼"
	1	1	26		C7598BA	BALL KEEPER
	1	1	25		B7443AA	RETAINING RING
	1	1	24	NOT SHOWN	B6585BA	INSTRUCTION SHEET
	1	1	23		281563	NUT, 8/16"-32 UNEF
	1	1	22	NOT SHOWN	410112	AIRCAP BAG
	1	X	21	NOT SHOWN	A4801FA	LABEL
	X	1	21	NOT SHOWN	A4801DA	LABEL
	X	1	20		C7514AA	ABDOMINAL STRAP-GRAY
	0	0	19		400007	VC-1 SOLVENT
	1	1	18		281515	NUT, HEX #2-56
	1	1	17		C7597BA	BUTTON
	4	4	16		286266	SCREW #6-32 x 3/8 LG FLAT HD.
	4	4	15		285008	LWASHER #2 INT. TOOTH
	1	1	14		C7579BA	WASHER
	1	1	13		281238	SCREW, #2-56 x 1/4 ALLEN SET
	1	1	12		B7419BA	CLAMP-BEAM
	0	0	11		400022	GLYPTAL
	2	2	10		A60344A	SPACER POST
	1	1	9		B5995EA	NAMEPLATE
	.50	.50	8		608402	#34 MAGNET WIRE
	1	1	7		C7418AA	STOP, BEAM LIMIT
	1	1	6		C7438AA	DIAPHRAGM-SEAL
	1	1	5		C7689A	BASE ASSY.
	X	1	4		B7737A	TOP, ASSEMBLY
	1	1	3		C7444AA	PLUNGER
	1	1	2		C5794C	TOCO BOARD ASSY
	1	1	1		B2270BA	BEAM

INTERNAL DISSIPATION SHELLS TO POCKETS (IN GRIPPER)

OUTSIDE PLASTIC RING KEYED AND TAPER IN POSITION. KEY TAB OF RING TO TOP OF SHELL

TONGUE TO ALIGN WITH PIN 1

VIEW C-C
SCALE: NONE

GRIPPER TO ANGLE AWAY FROM TONGUE

DIM. "A" (SEE TABLE)

SEE NOTE 5

MARK PER DWG B4880TAB

STRIP & TIN THESE 4 WIRES

OUTER JACKET FILLER AND SHIELD TRIMMED TO THIS POINT

CABLE PREPARATION
FULL SIZE

LOCATE AS SHOWN

SEE NOTE 10
4 PLCS

TOP VIEW WITH COVER
FULL SIZE

WIRE COLOR	PIN NO.	USED ON
RED	1	+ PRESSURE
WHT	2	- PRESSURE
BLU	4	EXCITATION +
YEL	6	EXCITATION REFERENCE
	7	CHASSIS GROUND/SHIELD
	8	TOCO JUMPER FROM IC TOC

RED
WHT
BLU
YEL

WIRING DIAGRAM

KEEP WIRES FROM LAYING ATOP THIS RIB

TIE OVERHAND KNOT AROUND POST APPROX. AS SHOWN AND PULL TIGHT. DRESS KNOT & LEAD WIRES SO AS NOT TO INTERFERE WITH POT ADJUST.

1.5" LONG - 4 PLACES SOLDER AS SHOWN SEE NOTE 1

3 PLACES

SEE NOTE 7

SEE NOTE 2

YELLOW WIRE
RED WIRE
WHITE WIRE
BLUE WIRE

LOCATE CLAMP (ITEM 12) FLUSH TO BEAM (ITEM 1) EDGE.

COMPONENT SIDE SHOWN

SEE NOTE 10

TOP VIEW SHOWN WITH COVER REMOVED

NOTE: TORQUE TIES SCREW TO 40 OZ. IN.

NOTE: AFTER SECURING SEALING TAPE IN PLACE, PIERCE A SMALL 3/16 HOLE AT THE APPROX. CENTER OF THE CENTER HOLE TO PERMIT INSERTION OF SCREW (ITEM 47)

DO NOT ALLOW PLUNGER TO TOUCH STOP

NOTE: INSTALL ROUND SIDE OF BEAM CLAMP UP

SEE NOTE 9

LOCATE BEAM (ITEM 1) SO THAT "PEM" NUT EXTENSION IS FACING DOWN.

SEE NOTE 4

SEE NOTE 5

SEE NOTE 8

SECTION A-A

PARTIAL SECTION A-A
SCALE: FULL
(CAT. NO. 2260DAX)

NOTES:

1. SOLDER LEADS FROM STRAIN GAUGE SOLDER TABS AS SHOWN. DOTTED LINES INDICATE TWO LEADS COMING FROM BOTTOM OF BEAM (ITEM 1). LAY EXCESS LEAD MATERIAL SO THAT IT DOES NOT INTERFERE WITH OTHER COMPONENTS OR THE MOUNTING OF THE TOCO TDR.
2. DO NOT PERMIT BEAM CLAMP (ITEM 12) TO REST ON TOP OF ANY PORTION OF THE GAGE PAD, CONTACTS, OR LEAD WIRES (ITEM 8).
3. BRAID CONN. .38" LONG EXTENDING FROM CABLE JACKET TOWARD CONNECTOR, COVER SOLDER JOINT WITH SHRINK TUBING (ITEM 40) .38 LONG.
4. SCREW IN BALL KEEPER (ITEM 26) TO JUST ENGAGE PLUNGER (ITEM 3), THEN BACK OFF ¼ TURN. SECURE WITH GLYPTAL.
5. SOLVENT BOND (ITEM 9) RETAINING RING (ITEM 25) TO CASE BOTTOM ITEM 5). DO NOT ALLOW SOLVENT ON ANY OUTSIDE SURFACE.
6. TIGHTEN NUT (ITEM 23) TO 28-30 OZ-IN. TORQUE. GLYPTAL (ITEM 11) IN PLACE.
7. LOOSEN SCREWS ENOUGH TO MOVE BEAM, BUT NOT FLOPPY WITH PLUNGER THREADED THRU BEAM, ALIGN BUTTON & PLUNGER IN A FIXTURE TO HAVE PLUNGER VERTICAL IN BOTH DIRECTIONS, THEN SECURE BEAM SCREWS (ITEM 45)...TORQUE SCREWS TO 40 OZ-IN. SECURE WITH GLYPTAL.
8. ADJUST PLUNGER (ITEM 3) SO THAT THE FACE OF THE BUTTON (ITEM 16) IS FLUSH TO THE RESTING SURFACE OF BASE (ITEM 5), WITHIN ±.010. MAINTAIN THAT ADJUSTMENT AND SECURE NUT (ITEM 18), READJUST IF NECESSARY AFTER TIGHTENING NUT. TORQUE NUT (ITEM 18) TO 30 OZ.-IN. GLYPTAL PLUNGER, NUT AND BEAM.
9. ADJUST SCREW (ITEM 13) FOR .030" CLEARANCE TO TOP OF BEAM. GLYPTAL IN PLACE.
10. TORQUE POSTS TO 60 OZ.-IN. AND COVER SCREWS TO 30 OZ.-IN.
11. ADJUST OFFSET AND GAIN POTS WITH COVER IN PLACE AND SCREWS TORQUED. PER NOTE 10. AFTER ADJUSTMENT, GLYPTAL POTS.
12. SEE SPEC 3196 FOR CALIBRATION & THERMAL STABILIZATION PROCEDURE.

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DRAWN	Waddle	3-14-88	
ENGR	D. SHOTWELL	3-25-88	
CHK	DRK	3-31-88	
APPR	DRK	3-31-88	

MATERIAL: NJ
FINISH: NJ

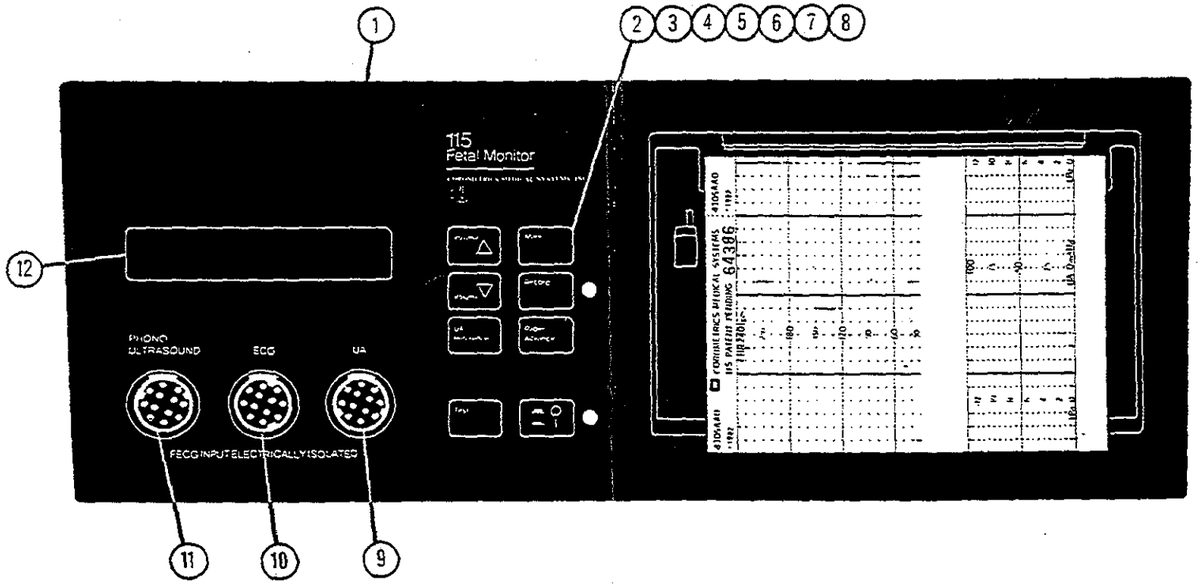
TITLE: CAT. NO. 2260DAX/2260DBX TOCOTRANSDUCER

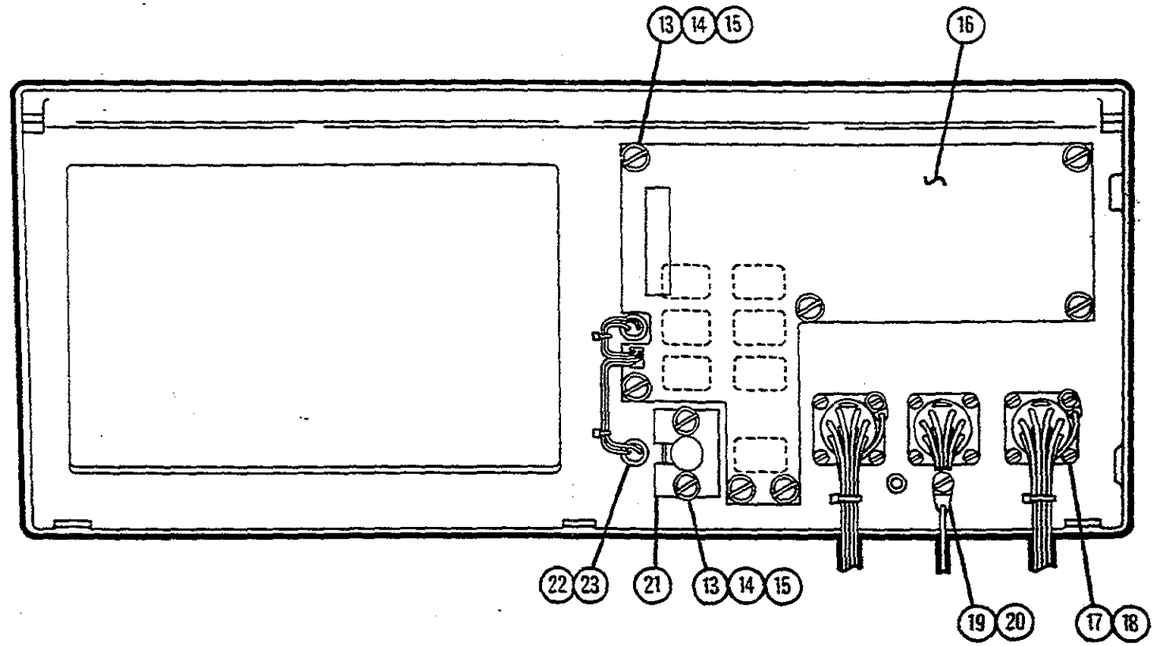
SIZE: D | DWG NO: 7456TAB | REV: R

SCALE: 2X | SHEET 3 OF 3

FRONT PANEL ASSEMBLY-115

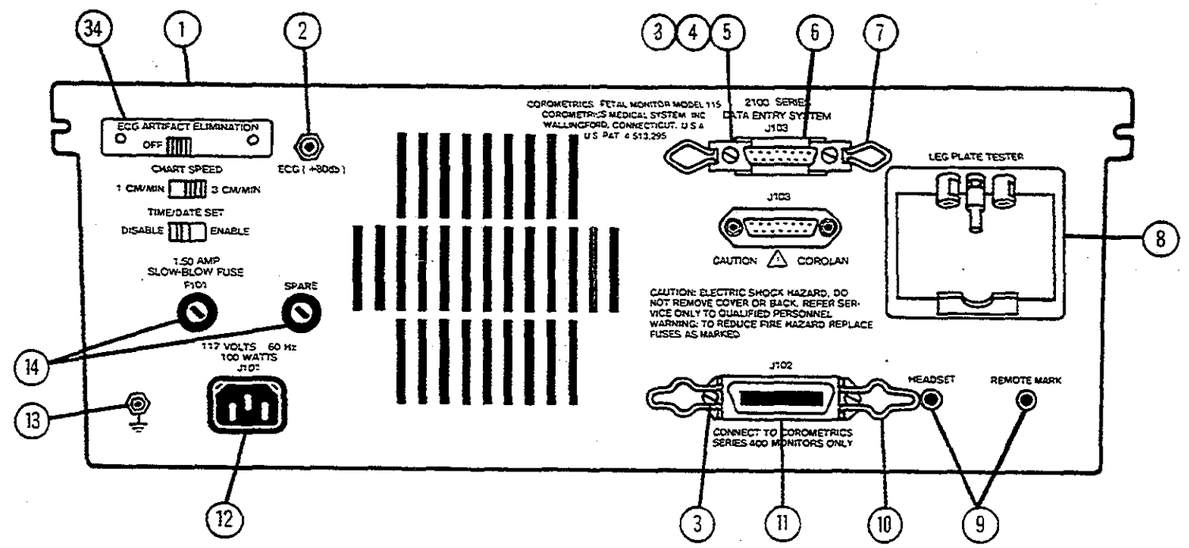
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5728UA	Front Bezel	1
2	6485EA	Switch Button Mark	1
3	6485FA	Switch Button Record	1
4	6485GA	Switch Button Paper Advance	1
5	6485AA	Switch Button Volume (Up)	1
6	6485BA	Switch Button Volume (Down)	1
7	6485CA	Switch Button UA Reference	1
8	6485DA	Switch Button Test	1
9	5940A	UA Cable Assembly Connector	1
10	5939A (non "T")	ECG Cable Assembly	1
	5939B ("T" or Dual	Cardiotach) ECG Cable Assembly	
11	5941A	US & Phono Cable Assembly	1
12	5739AA (w/o UA)	Lens Display	1
	5739BA (w/UA)		
13	286011	Screw #6.32 x 5/16 Lg. B.H.	9
14	285066	Internal Lockwasher #6	9
15	285023	Flatwasher #6	9
16	5812C (w/UA)	Display and Switch P.C. Board	1
	5812D (w/o UA)		
17	284007	Screw #4.40 x 1/4 Lg. B.H.	12
18	285022	Flatwasher #4	12
19	6082A	Ground Strap	1
20	286010	Screw #6.32 x 1/4 Lg. B.H.	1
21	5991C	Power Switch/Button Assembly	1
22	5933A	Power-Record Indicator Cable Assembly	1
23	608036	Ty-Rap	1

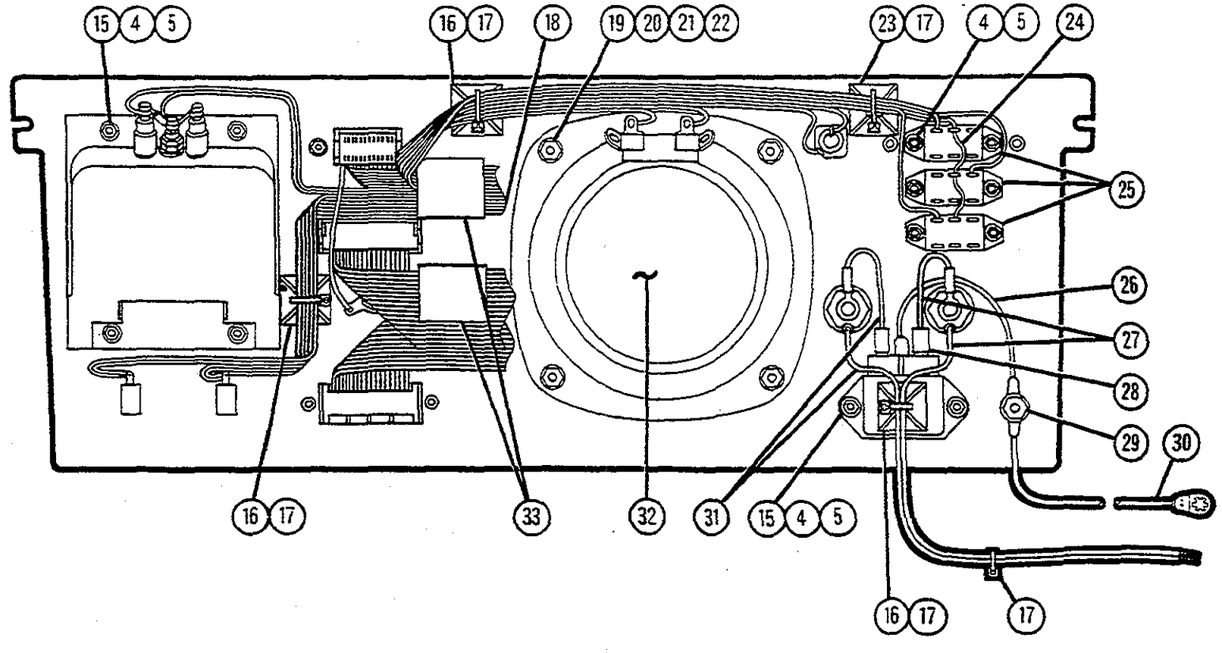


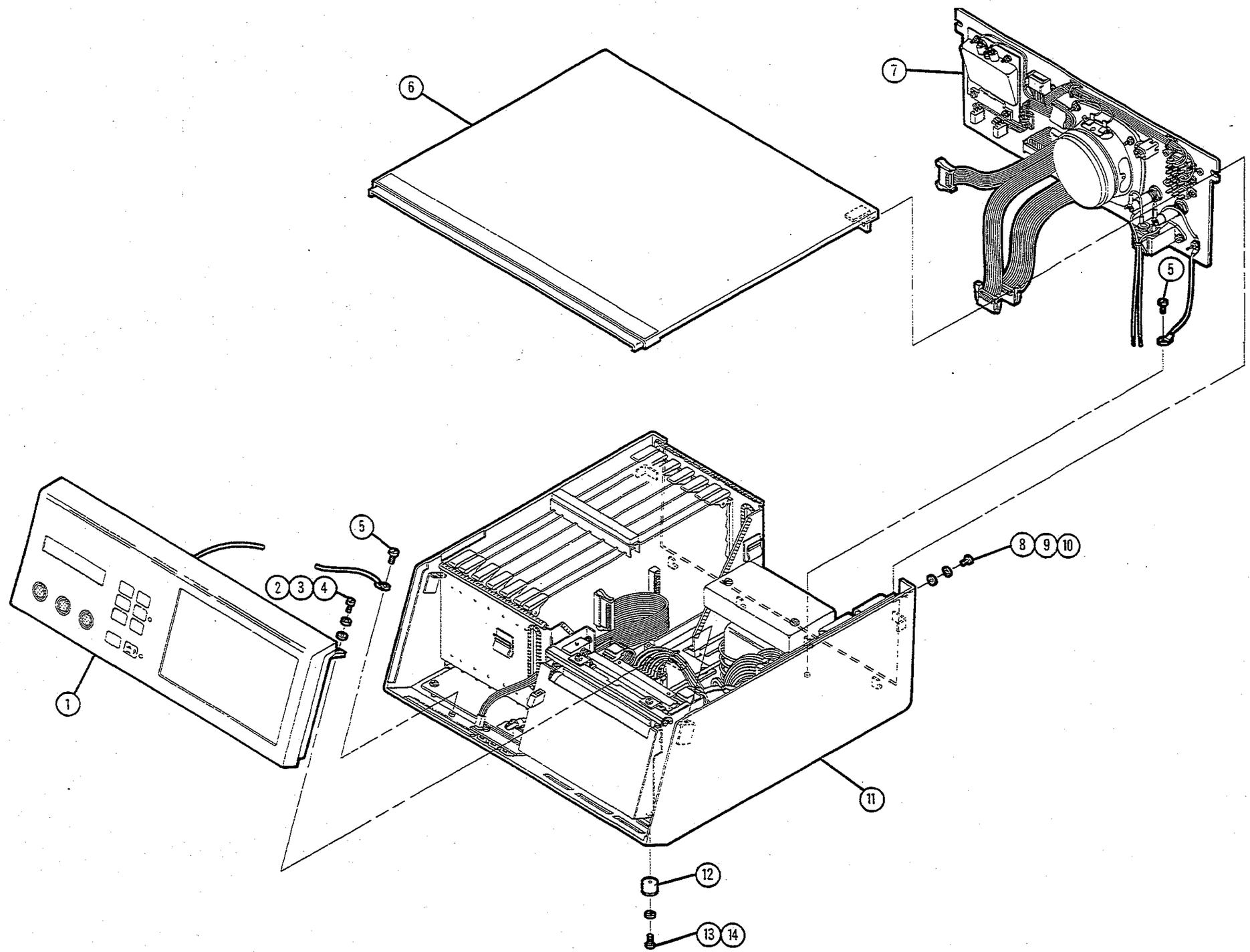


REAR PANEL ASSEMBLY-115

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	6223UA	Rear Panel	1
2	210084	Phone Jack J106	1
3	284010	Screw #4.40 x 7/16 Lg. B.H.	4
4	285065	Internal Lockwasher #4	12
5	281516	Hex Nut #4.40	12
6	5936A	Recorder Board to Keypad Connector	1
7	212310	Spring Latch	1
8	5887A	Leg Plate Tester Assembly J107	1
9	210137	Mini Phone Jack J104, J105	2
10	210146	Connector Clip	1
11	5935B	Motherboard to J102 Cable Assembly	1
12	270002	Filter, EMI w/Receptacle	1
13	210168	Binding Post	1
14	515506	Fuse Carrier	2
15	285037	Flatwasher	6
16	608068	Ty-Rap Mount	3
17	608036	Ty-Rap	5
18	5942B	Rear Panel Harness	1
19	285023	Flatwasher #6	4
20	285066	Internal Lockwasher #6	4
21	281540	Hex Nut #6.32	5
22	280111	Round Spacer 5/16 Lg.	4
23	608030	Ty-Mount	1
24	605105	Wire, #24 Gauge Green	2½"
25	513006	Slide Switch DPDT S101, S102	2
	513007	Sw, Time/Date	
26	605256	Wire, #18 Gauge Green/Yellow	3½"
27	605253	Wire, #18 Gauge Black	9"
28	608072	Shrink Tubing - Black (6 places)	3"
29	216005	Solder Lug ¼ Screw GL3	1
30	6081A	Ground Strap	1
31	605254	Wire #18 Gauge White	9"
32	130007	Speaker 4½"	1
33	608065	Cable Clamp	2
34	5849BA	Switch Locking Plate, ENG	1







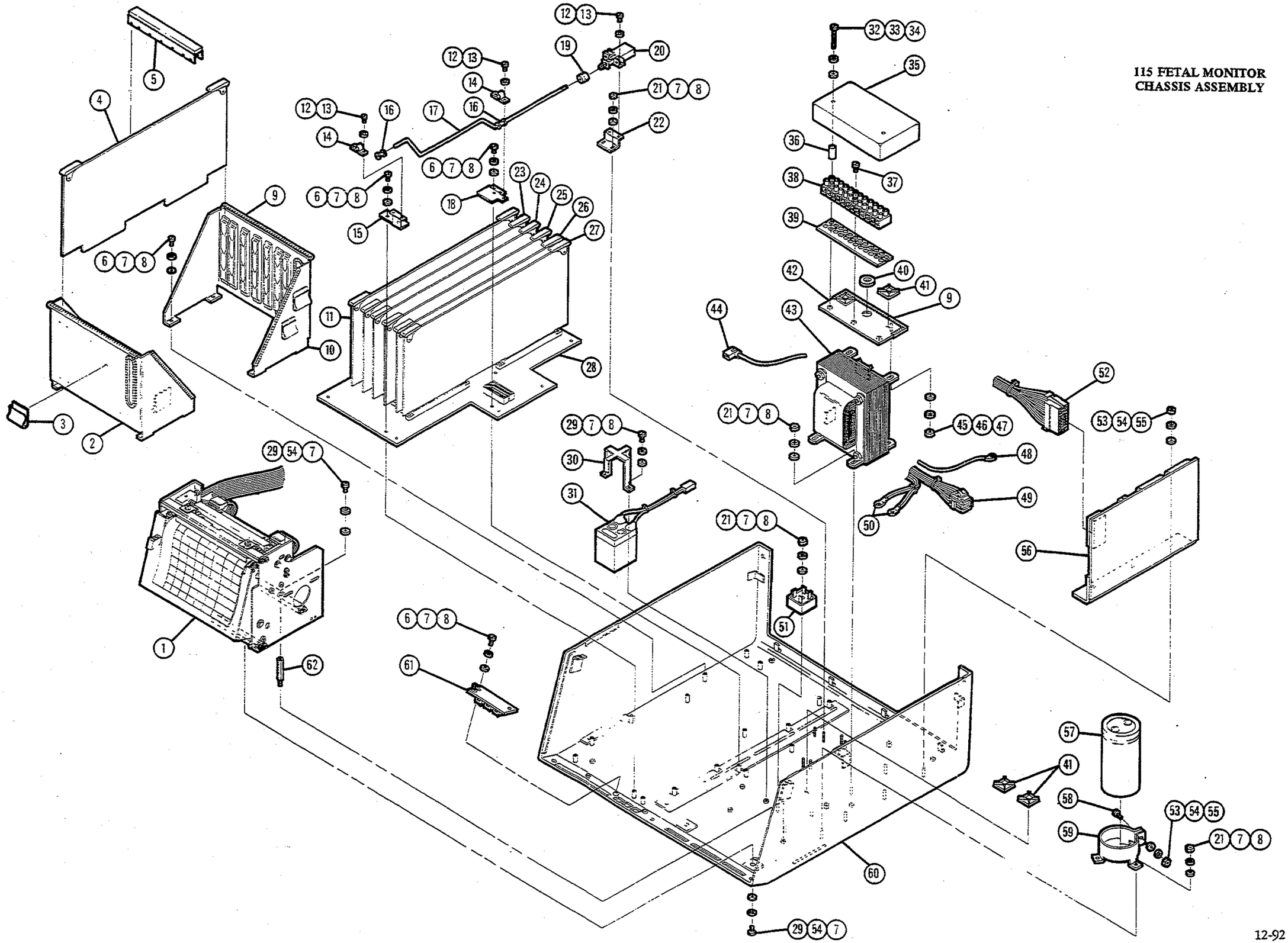
115 FETAL MONITOR
CABINET ASSEMBLY

CABINET ASSEMBLY

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5728M	Front Bezel Assembly, English	1
2	286203	Screw #6.32 x 5/16 Lg. B.H.	2
3	285008	Internal Lockwasher #6	2
4	285015	Flatwasher #6	2
5	286010	Screw #6.32 x ¼ Lg. B.H.	2
6	5727FA	Top Cover	1
7	See Note 1	Rear Panel Assembly	1
8	289206	Screw # 10.32 x ½ Lg. B.H.	2
9	285010	Internal Lockwasher #10	2
10	285017	Flatwasher #10	2
11	5726EA	Cabinet	1
12	140058	Rubber Foot (4 places)	4
13	285066	Internal Lockwasher #6	4
14	286356	Screw #6.32 x ½ Lg. R.H.	4

NOTE 1
5734X Rear Panel Assy
6223Q Rear Panel Assy w/RS232

115 FETAL MONITOR
CHASSIS ASSEMBLY



12-92

CHASSIS ASSEMBLY

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5767E	Recorder Assembly	1
2	5731CA	Card Guide Bracket (front)	1
3	608065	Cable Clamp (4 places)	4
4	See Note 1	ECG Board Assembly #1	1
5	5732A	Bracket Assembly	1
6	286010	Screw #6.32 x ¼ Lg. B.H.	20
7	285066	Internal Lockwasher #6	34
8	285023	Flatwasher #6	30
9	320012	Grommet Strip	21"
10	5731DA	Card Guide Bracket (rear)	1
11	5807B	ECG Board Assembly #2	1
12	281226	Screw #2 x 3/16 Lg. P.H.	6
13	285005	Internal Lockwasher #2	6
14	5987BA	Rod Mounting Clamp	2
15	5990AA	Front Rod Mounting Bracket	1
16	6060AA	Power Switch Rod Bushing	2
17	5986BA	Power Switch Rod	1
18	5988AA	Central Rod Mounting Bracket	1
19	5999AA	Power Switch Pilot Bushing	1
20	5871A	Power Switch Assembly	1
21	281540	Hex Nut #6	10
22	5989AA	Power Switch Mounting Bracket Rear	1
23	5800C	Multifunction Board Assembly	1
24	5814A	Clad Board Assembly	1
25	7180B	Correlation Board Assembly	1
26	See Note 2	CPU Board Assembly	1
27	See Note 3	Recorder Board Assembly	1
28	5810E	Mother Board Assembly	1
29	286013	Screw #6.32 x 7/16 Lg. B.H.	6
30	6154AA	Battery Bracket	1
31	6153A	Battery Assembly	1
32	284212	Screw #4.40 1¼ Lg. B.H.	2
33	285065	Internal Lockwasher #4	2
34	285037	Flatwasher #4	2
35	6018AA	Terminal Block Cover	1
36	280204	Spacer #4.40 x 5/8 Lg.	2

NOTE 1
5806K (60Hz)
5806L (50Hz)

NOTE 2

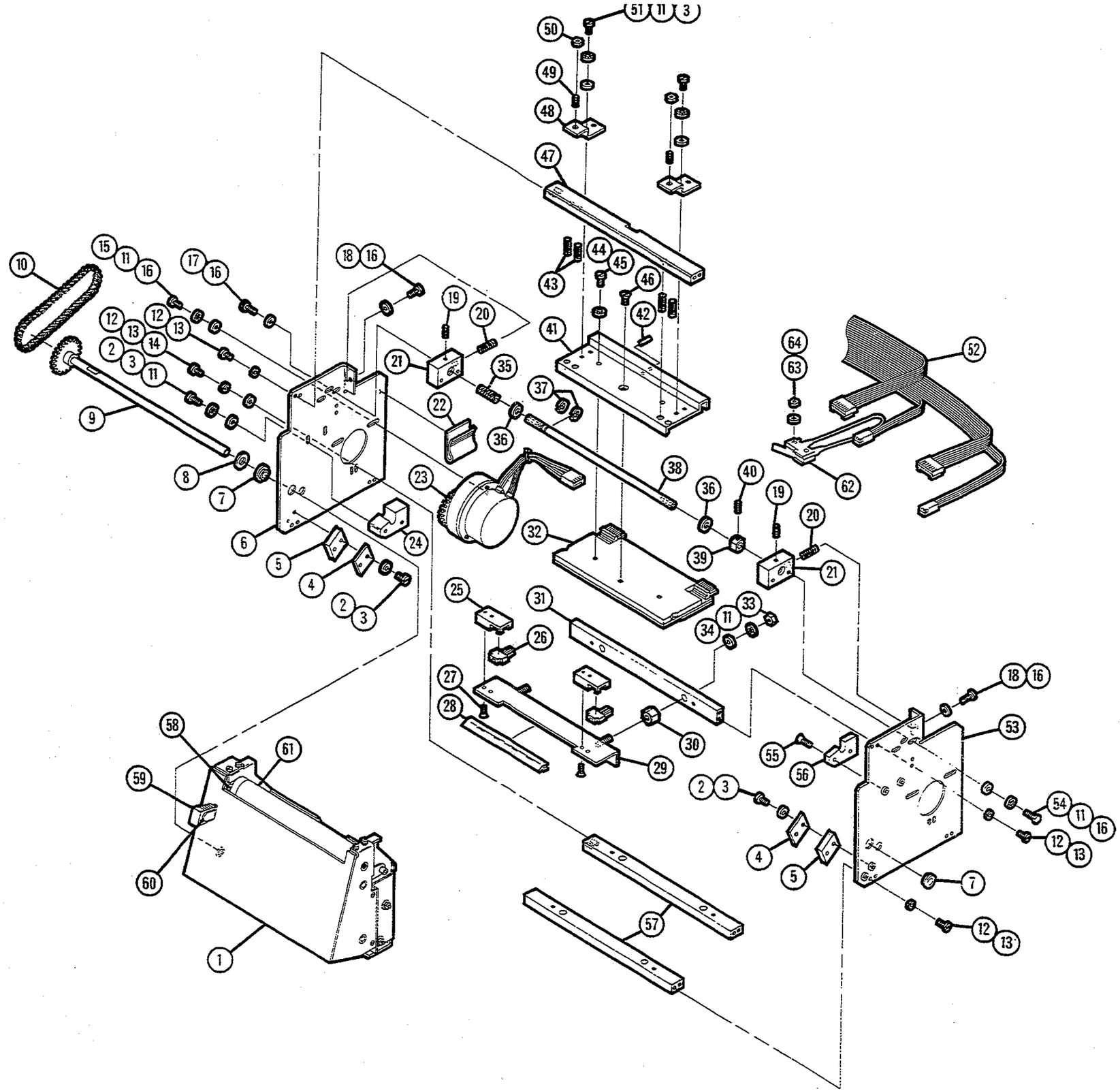
5802L	Single-Cardiotach
6802H	Dual-Cardiotach

NOTE 3

6665R	Dual-Cardiotach
6666Q	Dual-Cardiotach W/RS-232C
7222D	Single-Cardiotach
7223D	Single-Cardiotach W/RS-232C

CHASSIS ASSEMBLY (continued)

ITEM	PART NUMBER	DESCRIPTION	QTY.
37	284206	Screw #4.40 ½ Lg. B.H.	1
38	216040	Terminal Strip	1
39	608096	Marker Strip	1
40	280203	Grommet	1
41	608030	Ty-Mount	4
42	5880BA	Adaptor Bracket	1
43	1855AA	Transformer	1
44	216045	Right Angle Terminal (4 places)	4
45	285015	Flatwasher #6	2
46	285007	Internal Lockwasher #6	2
47	281502	Hex Nut #6	2
48	216001	Solder Lug	1
49	212108	12 Pin Connector	1
50	216003	Solder Lug	2
51	482508	Diode Bridge	1
52	5934A	Power Supply/Mother Board Cable Assy.	1
53	285024	Flatwasher #8	4
54	285067	Internal Lockwasher #8	8
55	281503	Hex Nut #8	4
56	5804C	Power Supply Board Assembly	1
57	152110	Electrolitic Capacitor 16000 µf 50V	1
58	288357	Screw #8.32 x ⅝ Lg: R.H.D.	1
59	280011	Capacitor Bracket	1
60	5726EA	Cabinet Enclosure	1
61	5811A	Time/Date Assembly	1
62	280196	Standoff 6.32 x 1.25 Lg.	2



115 FETAL MONITOR
RECORDER ASSEMBLY

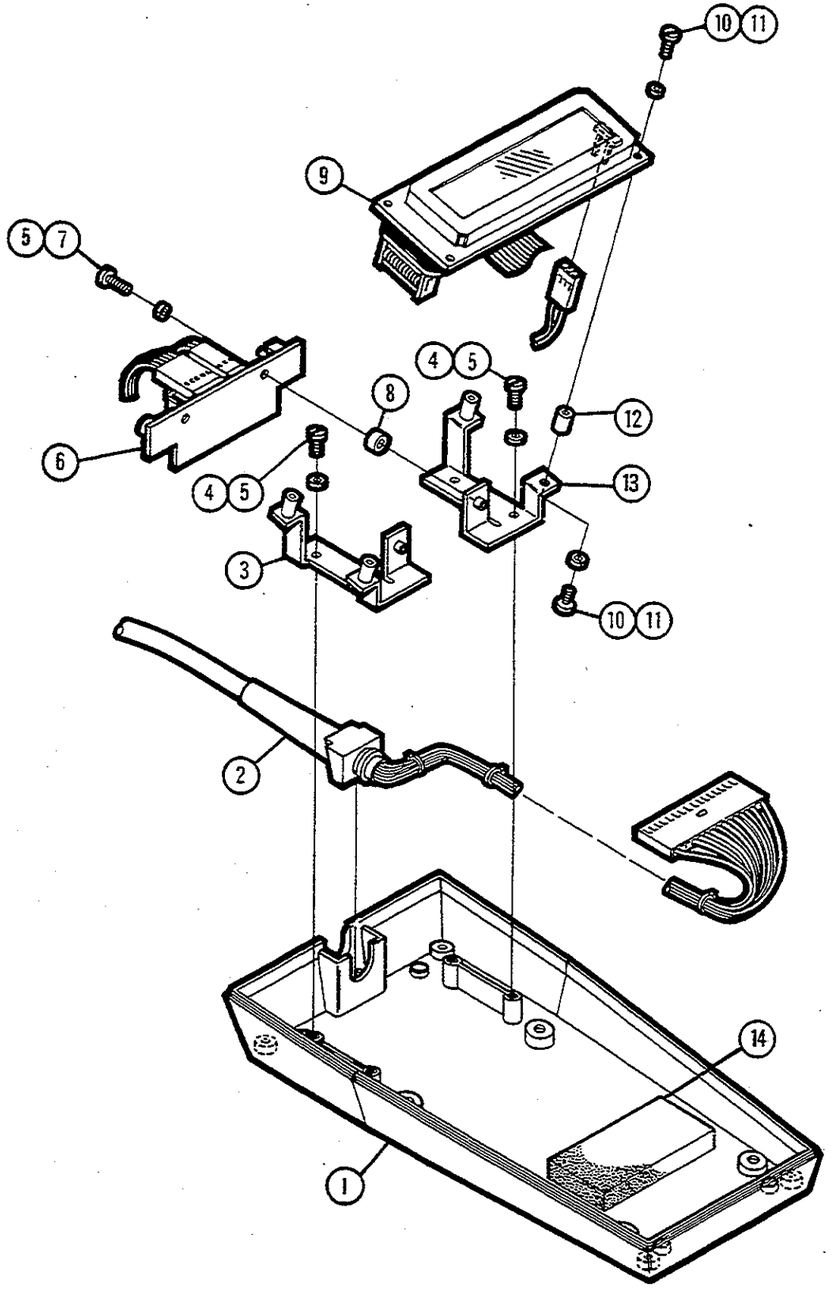
115 RECORDER ASSEMBLY

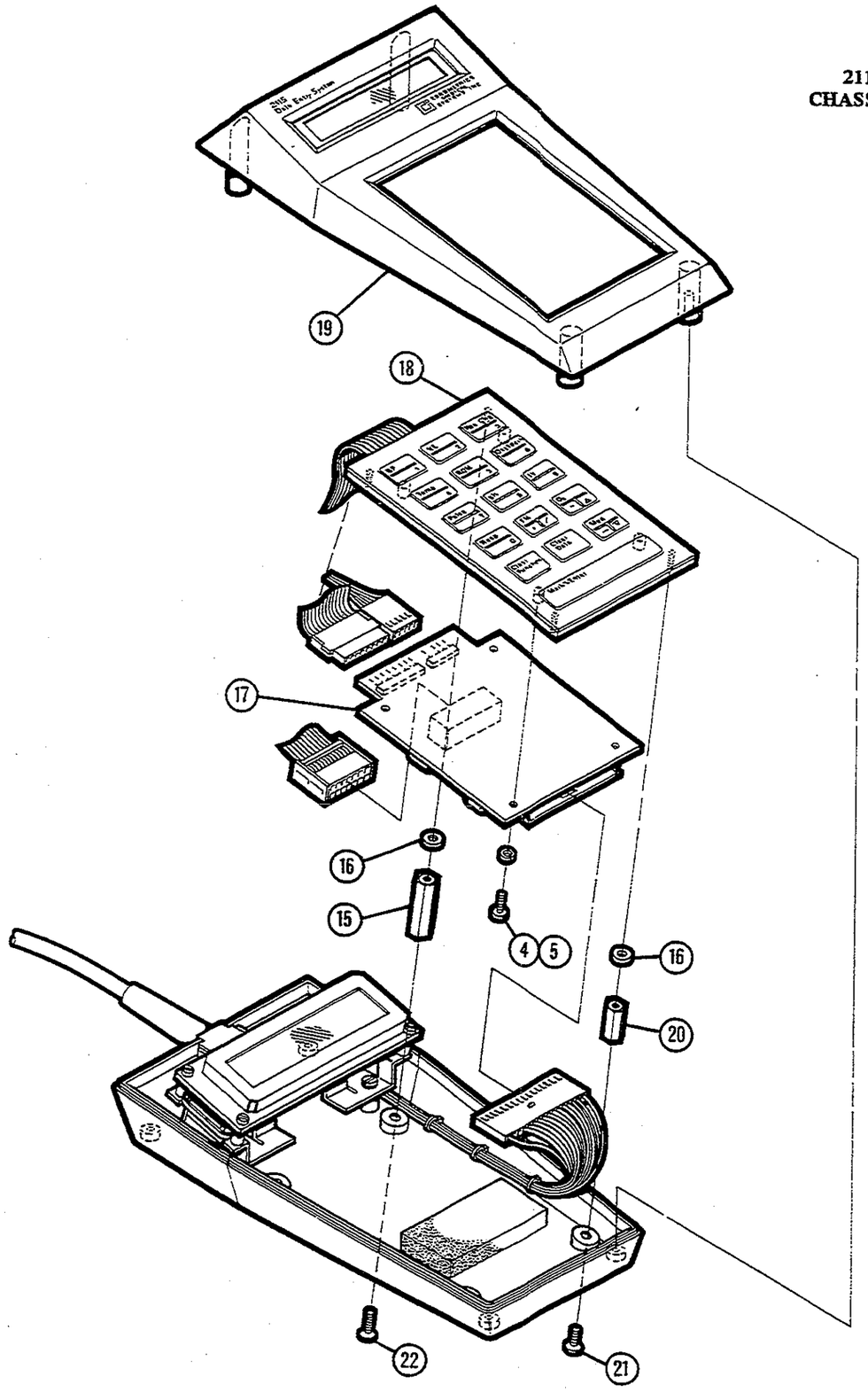
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5946B	Door Assembly	1
2	286014	Screw #6.32 x ½ Lg. S.B.H.	4
3	285023	Flat Washer #6	4
4	6012AA	Backing Plate	2
5	5755BA	Door Stop	2
6	5773AA	Left Side Plate	1
7	250074	Flange Bearing	2
8	285038	Flatwasher	1
9	5772A	Jackshaft Assembly	1
10	4693BA	Chain	1
11	285066	Internal Lockwasher	10
12	284009	Screw #4.40 x ⅜ Lg. B.H.	16
13	285029	Split Lockwasher #4	16
14	285035	Flatwasher #4	4
15	286501	Screw #6-32 x ⅜ Lg. pH	2
16	285068	Flatwasher #6	9
17	286416	Cap Socket Screw #6-32 x 7/16 Lg.	1
18	286504	Screw #6.32 x 5.8 Lg. B.H.	2
19	286016	Socket Set Screw #6.32 x 3/16 Lg.	2
20	280199	Spring	2
21	5752AA	Alignment Block	2
22	608065	Cable Clamp	1
23	5943B	Stepper Motor Harness Assembly	1
24	5769AA	Left Hand Cam Pivot	1
25	5778BA	Photo - Sensor Clamp	2
26	487702	Reflective Sensor	2
27	284271	Screw #4.40 x 5/16 Lg. F.H.	2
28	5789AA	Trim Strip	1
29	5777AA	Tray Top	1
30	280197	Hex Standuff #6.32 x 5/16 Lg.	2
31	5776CA	Support Bar	1
32	300019	Thermal Print Head	1
33	281540	Hex Head Nut #6	2
34	285024	Flatwasher #8	2
35	280200	Spring	1
36	285025	Flatwasher #10	2
37	280168	E-Ring	2
38	5756AA	Pivot Shaft	1
39	5783AA	Locking Collar	1
40	286029	Knurled Lug Socket Set Screw	1
41	5753AA	Pivoting Support	1
42	280194	Spiral Pin	1
43	280198	Spring (4 places)	4
44	289503	Pan Head Screw	2
45	285067	Internal Lockwasher	2
46	289502	Flat Head Screw	1
47	5758AA	Pressure Tie Bar	1
48	5754AA	"Z" Downstop	2
49	284416	Socket Head Set Screw #4.40 ¼ Lg.	2
50	281501	Hex Nut #4.40	2
51	286009	B.H. Screw #6.32 x 3/16 Lg.	4
52	5937B	Recorder Board Cable Assembly	1
53	5773BA	Right Hand Side Plate	1
54	286026	Hex Head Screw #6.32 x ⅜ Lg.	2
55	286254	Slot Head Screw #6.32 x ⅜ Lg.	2
56	5155BA	Right Hand Cam Pivot	1
57	5776BA	Support Bar	1

RECORDER ASSEMBLY (continued)

ITEM	PART NUMBER	DESCRIPTION	QTY.
58	250075	Timing Belt	1
59	5785AA	Recorder Knob	1
60	5782AA	Knob Insert	1
61	5750AA	Drive Roller	1
62	512018	Micro Switch	1
63	285022	Flatwasher #4	1
64	281501	Hex Nut #4	1

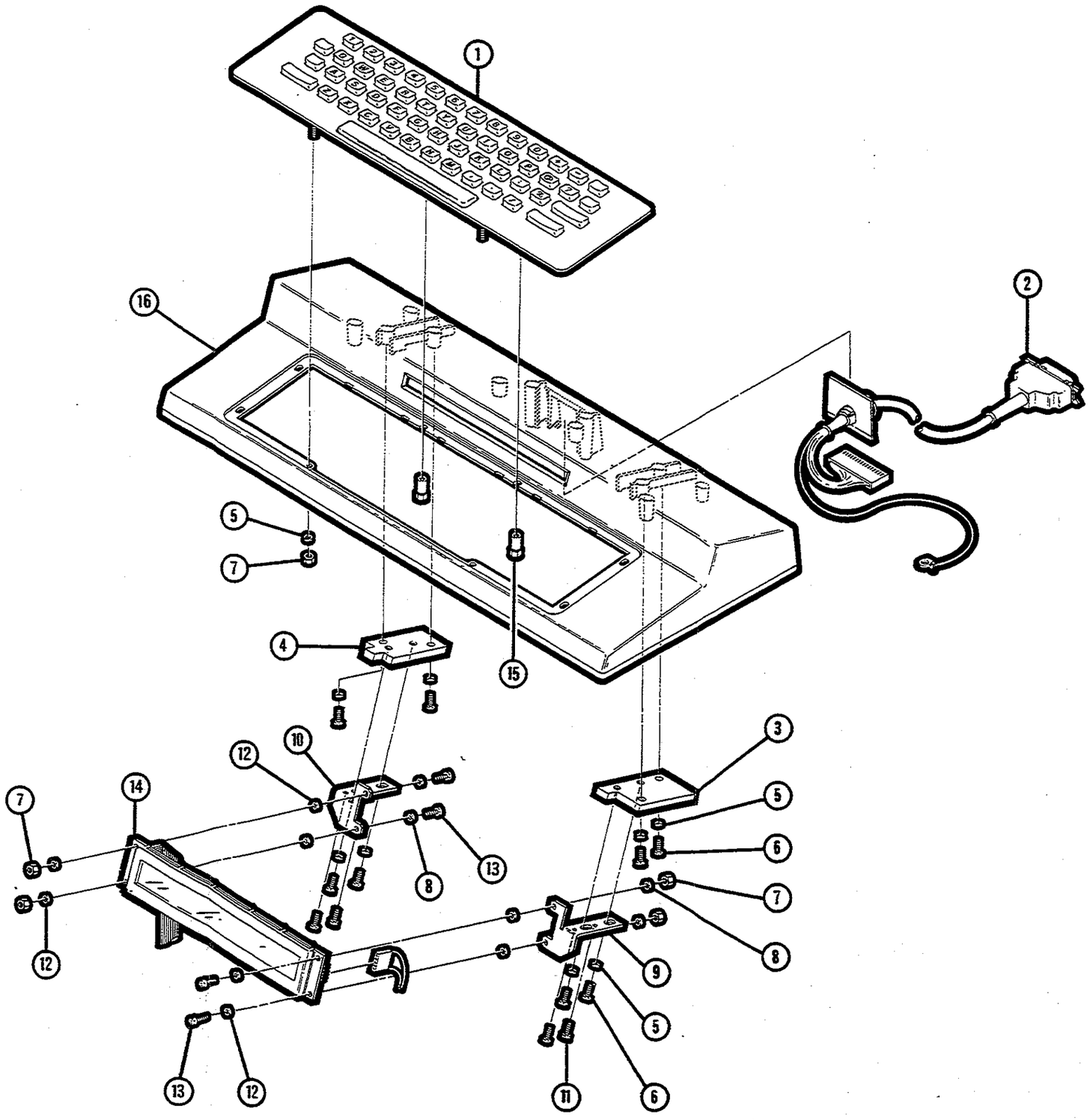
2115 KEYPAD CHASSIS ASSEMBLY





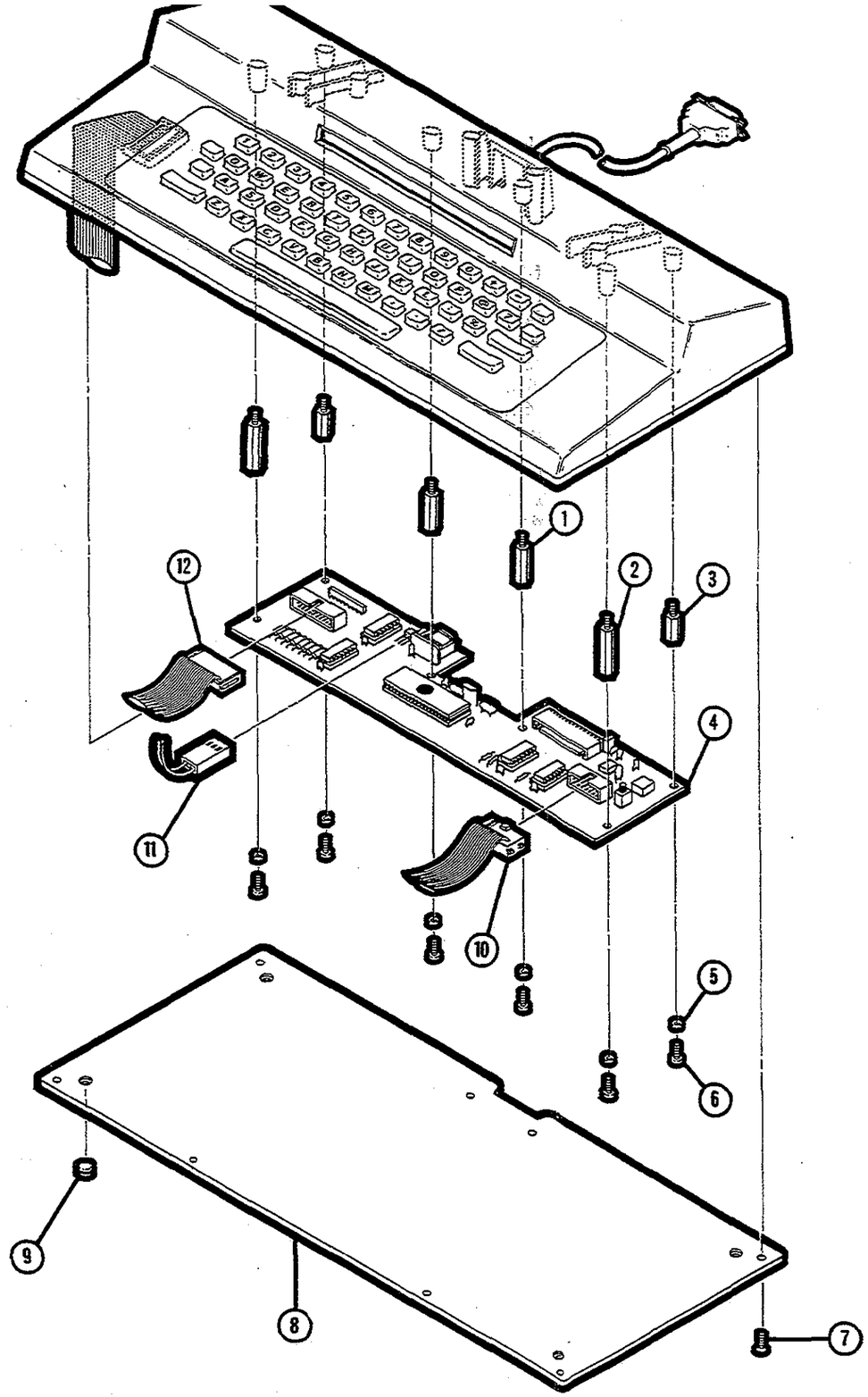
2116 DATA ENTRY SYSTEM
TOP ASSEMBLY

ITEM	PART NUMBER	DESCRIPTION	QTY
1	6928AA	Keyboard	1
2	7069A	Main Cable Assy.	1
3	6925AA	Adapter Block R.H.	1
4	6925BA	Adapter Block L.H.	1
5	285022	Washer, Flat #4	10
6	284007	Screw #4-40 x ½ B.H.	4
7	281501	Hex Nut #4-40	26
8	285007	Lockwasher #4	4
9	6894AA	Support Bracket R.H.	1
10	6894BA	Support Bracket L.H.	1
11	284013	Screw #4-40 x 5/16 Fill HD	4
12	285003	Spacer .047" Nylon	8
13	284204	Screw #4-40 x 3/8 B.H.	4
14	7064A	Keyboard Display Assy.	1
15	7039AA	Nut Special #4-40	2
16	6920AA	Housing	1



2116 DATA ENTRY SYSTEM
BOTTOM ASSEMBLY

ITEM	PART NUMBER	DESCRIPTION	QTY
1	280259	Standoff #6-32 M-F ¾" LG	2
2	280257	Standoff #6-32 MF 1" LG	2
3	280258	Standoff #6-32 M-F ½" LG	2
4	6180B	P.C. Board Assy.	1
5	285008	Lockwasher #6	6
6	286204	Screw #6-32 x ⅜ B.H.	6
7	286252	Screw # 6-32 x ¼	8
8	6921BA	Baseplate	1
9	140115	Foot	4
10	7066A	Display Harness Assy.	1
11	7065A	Backlight Harness Assy.	1
12	7067A	Keyboard Harness Assy.	1



2115 KEYPAD
ASSEMBLY PARTS LIST

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5956BA	Base, Keypad Housing	1
2	5959A	Main Cable Assy.	1
3	5961AA	Display Bracket L.H.	1
4	284007	#4-40 Screw Bind. Hd. 1/4 Lg.	4
5	285029	Lockwasher #4 Split	4
6	5813A	Aux. PCB Assy.	1
7	284010	Screw #4-40 Bind. Hd. 7/16 Lg.	2
8	280000	Standoff #4 Round 1/8 Lg.	2
9	390050	LCD Display Unit	1
10	281209	Screw #2-56 Bind. Hd. 3/16 Lg.	8
11	285027	Lockwasher #2 Split	8
12	280189	Standoff, Nylon #2-56 x 1/4 Lg.	4
13	5960AA	Display Bracket R.H.	1
14	310036	Foam Tape	2"
15	280135	Standoff #4-40 Hex. 7/8 Lg.	2
16	285007	Washer #4 Nylon	4
17	5809A	Keypad Processor Assy.	1
18	5840EA	Keypad Composite	1
19	5978FA	Keypad Cover	1
20	280190	Standoff #4-40 Hex. 7/16 Lg.	2
21	284315	Screw - Oval Hd. #4-40 x 5/16 Lg.	2
22	284316	Screw - Oval Hd. #4-40 x 1/2 Lg.	2